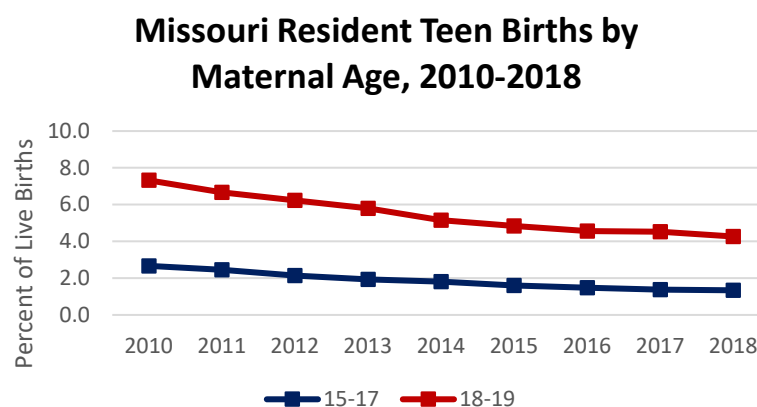


# Missouri Vital Statistics 2018



Missouri Department of  
Health and Senior Services  
**Section of Epidemiology for Public Health Practice,  
Bureau of Epidemiology and Vital Statistics**

# **MISSOURI VITAL STATISTICS 2018**

**MISSOURI DEPARTMENT OF HEALTH & SENIOR SERVICES**

**SECTION OF EPIDEMIOLOGY FOR PUBLIC HEALTH PRACTICE  
BUREAU OF EPIDEMIOLOGY AND VITAL STATISTICS**

**P.O. BOX 570  
JEFFERSON CITY  
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November 2019

## PREFACE

Legislation passed by the Missouri General Assembly and approved on May 6, 1909, provided for the “immediate registration of all births and deaths” by the State Board of Health. Improved sanitation and hygiene for the people of the state were anticipated as a result of centralizing these duties. With the passage of the legislation, Missouri became the 19<sup>th</sup> state to enact a comprehensive vital statistics law, and acceptance into the death registration area of the U.S. Census Bureau soon followed. The 1909 law was implemented by February of 1910, and the first vital statistics report using a full year of Missouri birth and death records was for 1911.

Birth and death certificates are permanent legal records that contain valuable health and medical information. As legal documents, birth and death certificates provide proof of age, parentage, and citizenship. They are used to obtain passports and driver’s licenses, enroll in benefits programs, settle estates, obtain life insurance payouts, and terminate Social Security benefits. Health and medical information from birth and death records is transformed into data to calculate population growth, identify health risk factors, measure health outcomes, plan and evaluate health programs, and conduct research. Vital statistics help drive public health programs that keep people healthy, and they influence our personal healthcare. Vital records and vital statistics impact our lives every day. For more than 100 years, Missouri vital records have captured a piece of the life story of every person who was born or died in Missouri.

This report presents the final tabulation of statistical data relating to vital events in Missouri during 2018. Records of live births received through February 22, 2019, death, fetal death, abortion, and marriage records through April 15, 2019, and dissolutions received through April 25, 2019, are included in the tables, allowing information on 2018 events to be as complete as possible.

Missouri Vital Statistics 2018 is published for use in public health and related fields as an aid for studying births, deaths, fetal deaths, marriages, dissolutions, and abortions. This document, along with additional vital statistics data, is available on the Department of Health and Senior Services website at [health.mo.gov](http://health.mo.gov) under “Data and Statistics.”

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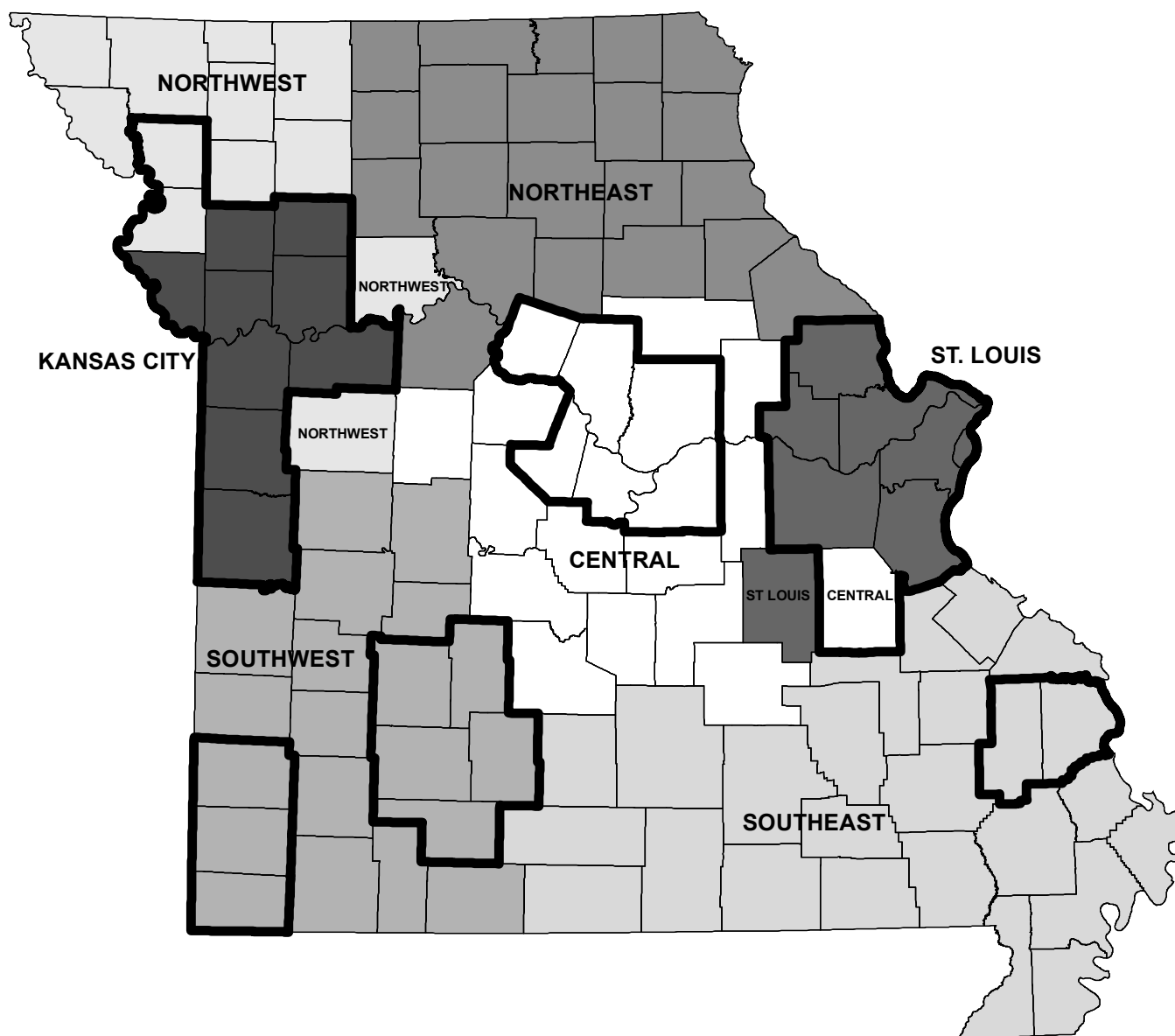
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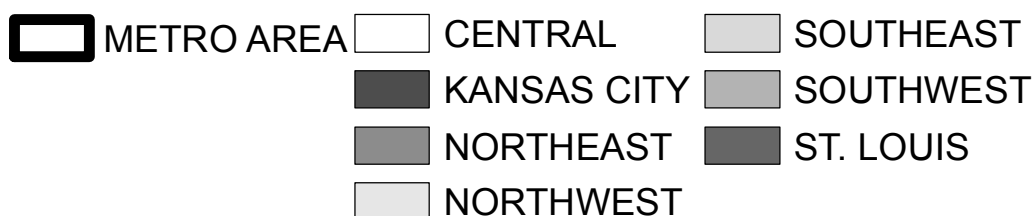
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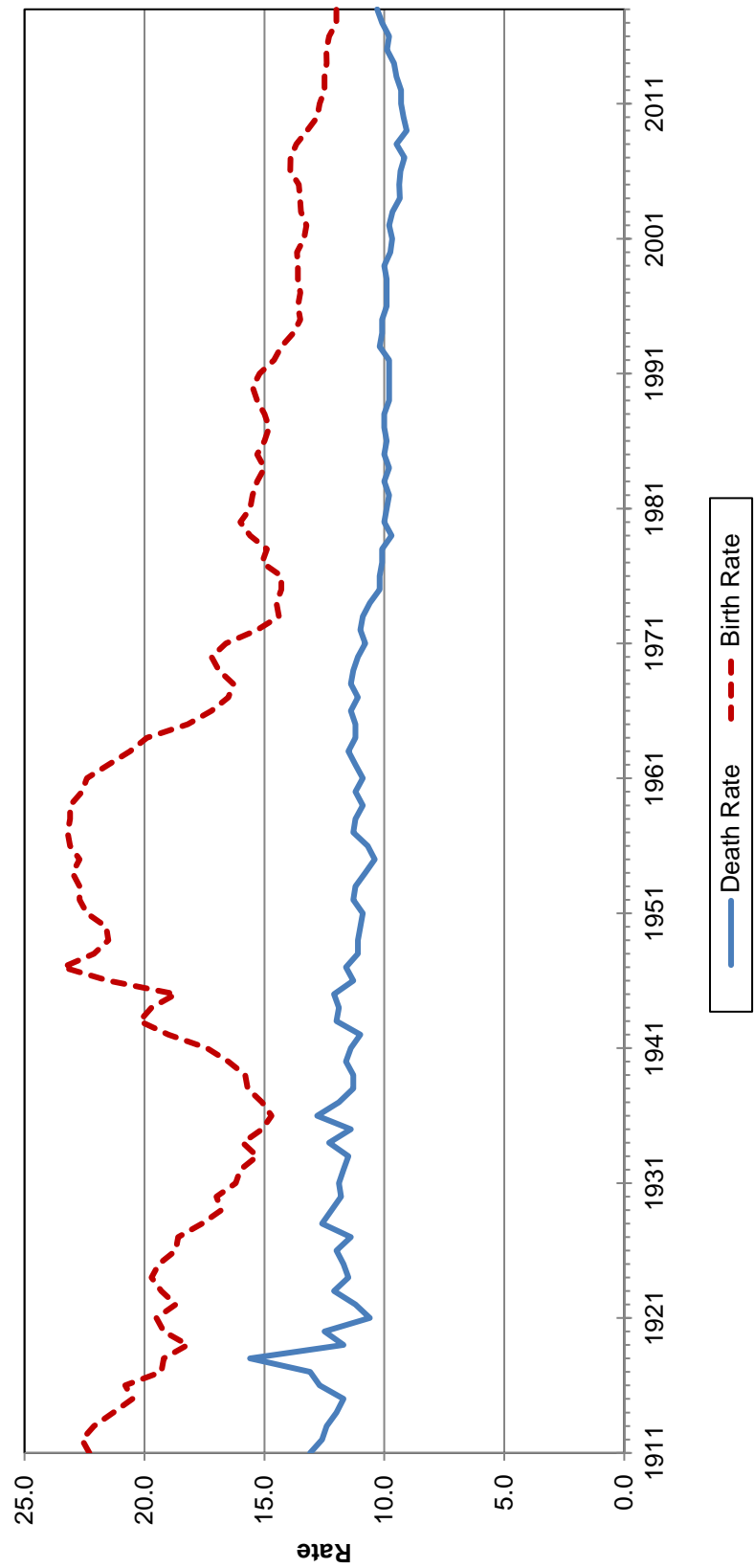
# Behavioral Risk Factor Surveillance System (BRFSS) Regions



## LEGEND



Graph A. Live Birth and Death Rates per 1,000 Population: Missouri, 1911-2018\*



Rate			Rate			Rate		
Year	Birth	Death	Year	Birth	Death	Year	Birth	Death
1911	22.3	13.1	1945	18.7	12.1	1980	16.0	10.0
1915	20.5	11.7	1950	21.6	11.0	1985	15.3	10.0
1920	19.2	12.5	1955	22.7	10.4	1990	15.5	9.8
1925	19.4	11.7	1960	22.6	11.2	1995	13.5	10.1
1930	17.0	11.8	1965	18.2	11.2	2000	13.6	10.3
1935	15.1	11.4	1970	17.2	11.1	2005	13.6	
1940	16.5	11.6	1975	14.3	10.2	2010	12.8	

\*1911-1944 recorded events 1945-2018 resident events

**Table 1. Population, Recorded Births and Deaths with Rates per 1,000 Population and Natural Increase: Missouri, 1911-1944**

Year	Estimated Mid-Year Population	Births		Deaths	
		Number	Rate	Number	Rate
1911	3,317	74,130	22.3	43,479	13.1
1912	3,344	75,452	22.6	42,139	12.6
1913	3,409	75,231	22.1	42,130	12.4
1914	3,467	73,925	21.3	41,743	12.0
1915	3,492	71,543	20.5	40,863	11.7
1916	3,527	73,486	20.8	44,705	12.7
1917	3,470	67,041	19.3	45,564	13.1
1918	3,325	64,001	19.2	51,925	15.6
1919	3,371	61,193	18.2	39,282	11.7
1920	3,404	65,416	19.2	42,572	12.5
1921	3,429	66,970	19.5	36,210	10.6
1922	3,427	64,388	18.7	38,417	11.2
1923	3,454	66,691	19.3	41,853	12.1
1924	3,508	68,961	19.7	40,463	11.5
1925	3,526	68,293	19.4	41,332	11.7
1926	3,556	66,611	18.7	42,684	12.0
1927	3,576	66,401	18.6	40,853	11.4
1928	3,601	63,401	17.6	45,219	12.6
1929	3,622	60,980	16.8	44,262	12.2
1930	3,646	62,011	17.0	42,924	11.8
1931	3,711	60,201	16.2	43,999	11.9
1932	3,746	59,755	16.0	43,695	11.7
1933	3,773	57,717	15.3	43,368	11.5
1934	3,784	60,317	15.9	46,685	12.3
1935	3,798	57,299	15.1	43,201	11.4
1936	3,801	55,916	14.7	48,767	12.8
1937	3,794	57,270	15.1	45,160	11.9
1938	3,781	59,365	15.7	42,578	11.3
1939	3,783	59,688	15.8	42,693	11.3
1940	3,786	62,545	16.5	43,950	11.6
1941	3,811	66,268	17.4	43,295	11.4
1942	3,829	72,575	19.0	42,117	11.0
1943	3,705	74,820	20.2	44,437	12.0
1944	3,560	69,982	19.7	42,347	11.9

Sources: 1911-1934 and 1937-1944 Vital Statistics Reports of the Missouri State Board of Health. 1935-1936, Special Reports of the United States Bureau of the Census. Population estimates 1911 to 1944 taken from the United States Bureau of the Census Release, Series P-25, No 139, June 27, 1956.  
Note: Only Recorded births and deaths are shown because resident data was not available before 1945.

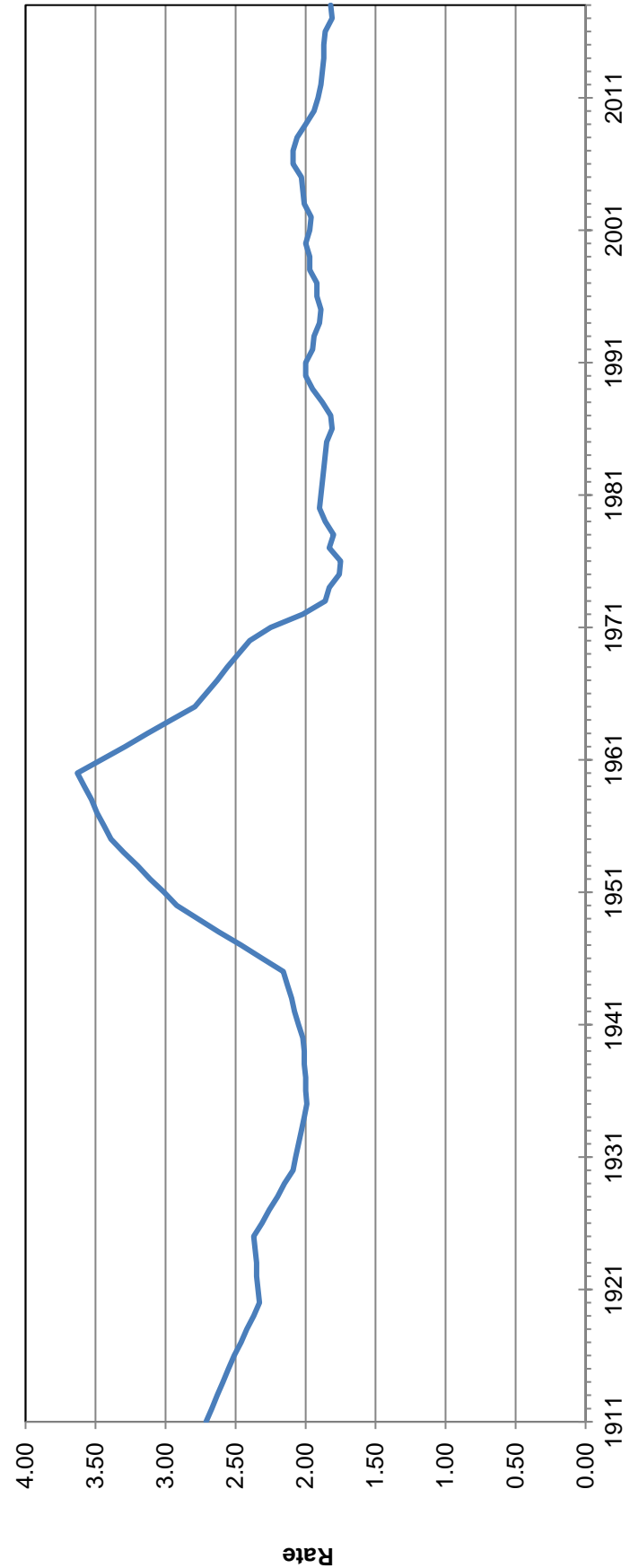
**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2018**

Year	Estimated Mid-Year Population (Thousands)	Recorded			Resident			Natural Increase
		Births		Deaths	Births		Deaths	
		Number	Rate	Number	Rate	Number	Rate	
1945	3,516	67,693	19.3	42,757	12.2	65,691	18.7	23,195
1946	3,746	82,901	22.1	42,640	11.4	80,698	21.5	38,321
1947	3,845	92,369	24.0	44,762	11.6	89,902	23.4	45,428
1948	3,844	87,005	22.6	42,921	11.2	85,096	22.1	42,342
1949	3,955	87,372	22.1	43,995	11.1	85,206	21.5	41,498
1950	3,964	87,948	22.2	43,962	11.1	85,704	21.6	41,990
1951	4,015	92,664	23.1	44,318	11.0	89,977	22.4	45,926
1952	3,972	92,931	23.4	45,245	11.4	90,118	22.7	45,067
1953	4,020	94,419	23.5	45,686	11.4	91,447	22.7	46,299
1954	4,066	97,278	23.9	44,404	10.9	93,453	23.0	49,618
1955	4,134	97,591	23.6	43,531	10.5	93,797	22.7	50,797
1956	4,163	100,163	24.1	45,003	10.8	96,099	23.1	51,641
1957	4,189	101,287	24.2	47,784	11.4	97,161	23.2	49,828
1958	4,186	100,729	24.1	47,338	11.3	96,721	23.1	49,992
1959	4,258	102,461	24.1	47,099	11.1	98,537	23.1	52,072
1960	4,326	101,778	23.5	48,955	11.3	97,723	22.6	49,436
1961	4,349	101,462	23.3	47,933	11.0	97,321	22.4	50,018
1962	4,357	97,658	22.4	49,685	11.4	93,879	21.5	44,863
1963	4,392	93,545	21.3	51,159	11.6	90,363	20.6	39,825
1964	4,442	90,918	20.5	50,271	11.3	88,335	19.9	38,718
1965	4,467	84,162	18.8	51,101	11.4	81,216	18.2	30,967
1966	4,523	80,750	17.9	52,476	11.6	77,946	17.2	26,365
1967	4,539	77,940	17.2	51,245	11.3	74,823	16.5	24,279
1968	4,568	77,028	16.9	52,834	11.6	74,304	16.3	22,285
1969	4,640	81,313	17.5	53,172	11.5	78,396	16.9	26,082
1970	4,680	83,787	17.9	52,592	11.2	80,707	17.2	28,964
1971	4,723	81,409	17.2	51,810	11.0	78,375	16.6	27,564
1972	4,753	75,127	15.8	53,249	11.2	72,597	15.3	20,310
1973	4,775	70,808	14.8	53,003	11.1	68,605	14.4	16,793
1974	4,785	71,875	15.0	51,656	10.8	69,412	14.5	18,908
1975	4,795	70,786	14.8	49,986	10.4	68,442	14.3	19,458
1976	4,824	71,319	14.8	50,074	10.4	68,781	14.3	19,773
1977	4,845	75,689	15.6	49,839	10.3	72,957	15.1	24,196
1978	4,871	75,283	15.5	50,439	10.4	72,654	14.9	23,447
1979	4,889	78,562	16.1	48,946	10.0	76,056	15.6	28,400
1980	4,917	80,770	16.4	50,504	10.3	78,588	16.0	29,254
1981	4,932	78,538	15.9	49,780	10.1	76,758	15.6	28,113
1982	4,930	78,334	15.9	49,145	10.0	76,648	15.5	28,522
1983	4,944	77,061	15.6	50,540	10.2	75,505	15.3	26,124
1984	4,976	76,293	15.3	50,232	10.1	74,422	15.0	25,532

**Table 2. Population, Recorded and Resident Births and Deaths with Rates per 1,000, and Natural Increase: Missouri, 1945-2018**

Year	Estimated Mid-Year Population (Thousands)	<u>Recorded</u>			<u>Resident</u>		
		<u>Births</u>		<u>Deaths</u>		<u>Deaths</u>	<u>Natural Increase</u>
		Number	Rate	Number	Rate	Number	Rate
1985	5,002	78,760	15.7	51,635	10.3	76,697	15.3
1986	5,024	77,105	15.3	51,350	10.2	75,116	15.0
1987	5,057	76,909	15.2	52,016	10.3	74,830	14.8
1988	5,083	78,331	15.4	52,265	10.3	76,101	15.0
1989	5,096	79,866	15.7	51,679	10.1	77,755	15.3
1990	5,117	81,416	15.9	51,786	10.1	79,135	15.5
1991	5,171	81,076	15.7	52,362	10.1	78,468	15.2
1992	5,217	78,720	15.1	52,513	10.1	76,005	14.6
1993	5,271	77,986	14.8	55,322	10.5	75,146	14.3
1994	5,324	76,381	14.3	55,398	10.4	73,279	13.8
1995	5,378	75,980	14.1	56,062	10.4	72,804	13.5
1996	5,432	76,504	14.1	55,517	10.2	73,733	13.6
1997	5,481	76,650	14.0	55,887	10.2	73,940	13.5
1998	5,522	77,701	14.1	56,708	10.3	75,242	13.6
1999	5,562	77,371	13.9	57,621	10.4	75,366	13.6
2000	5,597	78,302	14.0	56,395	10.1	76,329	13.6
2001	5,641	76,690	13.6	56,343	10.0	75,290	13.3
2002	5,675	76,366	13.5	57,406	10.1	75,167	13.2
2003	5,709	77,878	13.6	56,903	10.0	76,960	13.5
2004	5,748	78,591	13.7	55,363	9.6	77,709	13.5
2005	5,790	79,525	13.7	56,091	9.7	78,547	13.6
2006	5,843	82,456	14.1	56,279	9.6	81,353	13.9
2007	5,888	82,823	14.1	55,888	9.5	81,883	13.9
2008	5,924	81,991	13.8	58,377	9.9	80,944	13.7
2009	5,961	79,593	13.4	56,148	9.4	78,849	13.2
2010	5,989	77,588	13.0	57,303	9.6	76,718	12.8
2011	6,010	77,135	12.8	57,794	9.6	76,069	12.7
2012	6,024	76,411	12.7	58,117	9.6	75,400	12.5
2013	6,041	76,390	12.6	59,456	9.8	75,244	12.5
2014	6,056	76,725	12.7	60,297	10.0	75,104	12.4
2015	6,072	76,169	12.5	61,995	10.2	75,042	12.4
2016	6,087	75,863	12.5	61,888	10.2	74,664	12.3
2017	6,114	73,868	12.1	64,202	10.5	73,017	12.0
2018	6,126	74,099	12.1	65,507	10.7	73,281	12.0
						63,110	10.3
							10,171

Graph B. Total Fertility Rates: Missouri, 1911-2018

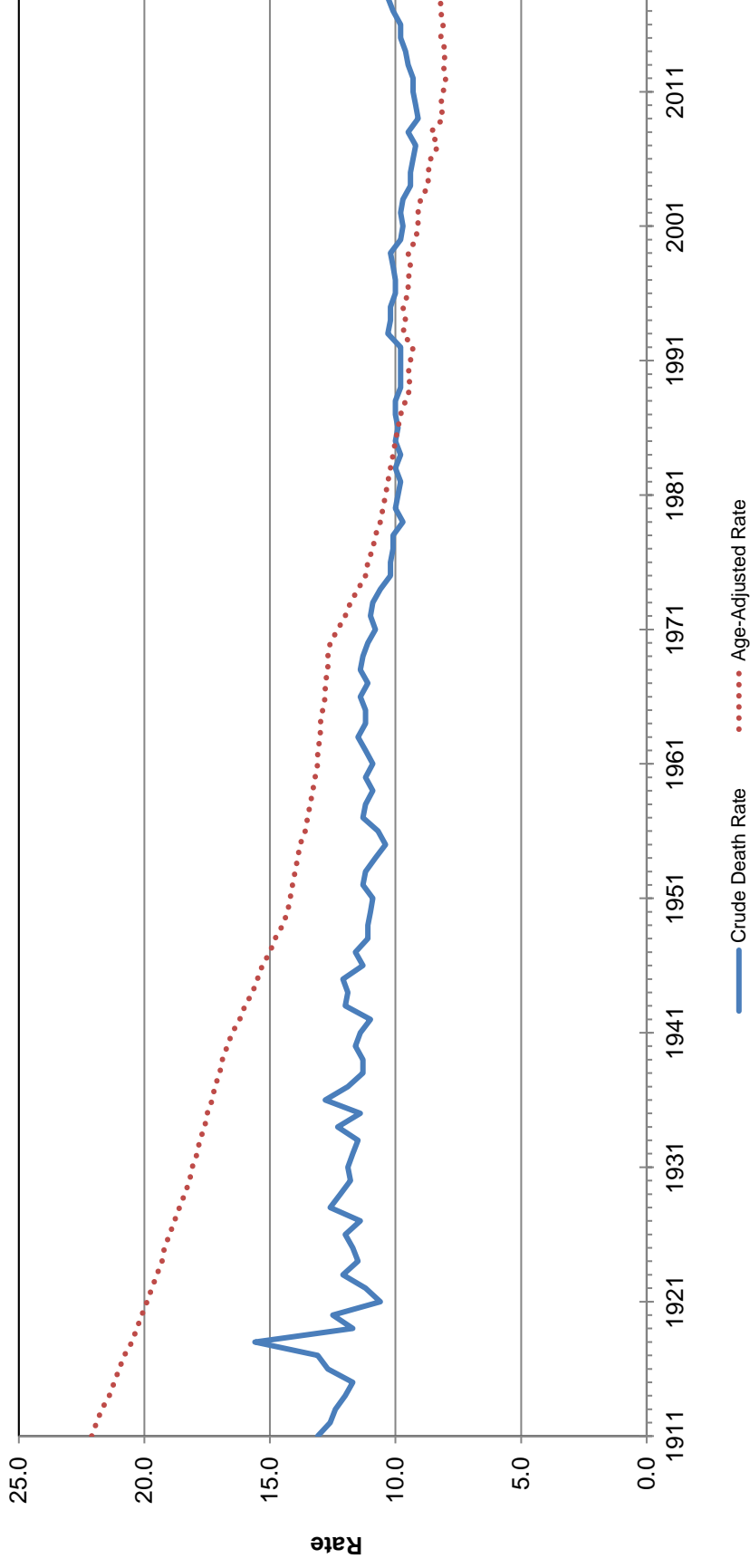


Year	Total Fertility Rate	Year	Total Fertility Rate	Year	Total Fertility Rate
1911	2.71	1945	2.16	1980	1.90
1915	2.55	1950	2.92	1985	1.85
1920	2.33	1955	3.39	1990	2.00
1925	2.37	1960	3.63	1995	1.89
1930	2.09	1965	2.79	2000	2.00
1935	1.99	1970	2.40	2005	2.03
1940	2.02	1975	1.76	2010	1.94
				2015	1.87
				2016	1.86
				2017	1.81
				2018	1.82

Table 3. Fertility Rates per 1,000 Females by Age of Mother: Missouri, 1911-2018

Year	General Fertility Rate	Age of Mother									
		Under 15	15-19			20-24					45+
			Total	15-17	18-19	20-24	25-29	30-34	35-39	40-44	
1911	93.3	0.4	48.8	---	---	134.2	133.5	109.6	77.7	33.5	3.8
1915	88.8	0.3	50.4	---	---	136.4	126.2	97.5	67.7	27.7	3.2
1920	80.6	0.4	49.6	---	---	129.3	113.3	85.0	59.6	25.0	3.0
1925	81.1	0.4	56.7	---	---	129.5	120.2	83.8	57.7	22.5	2.4
1930	71.1	0.5	54.1	---	---	115.5	103.6	79.8	46.7	18.3	2.0
1935	68.0	0.5	52.5	---	---	116.0	96.9	69.3	43.6	16.8	1.6
1940	69.1	0.4	54.5	---	---	123.6	104.8	69.8	37.1	13.2	1.4
1945	73.2	0.5	50.2	---	---	121.7	114.2	81.4	47.5	14.9	1.2
1950	98.6	0.9	82.6	---	---	189.5	153.4	95.2	48.1	14.0	1.0
1955	112.3	0.8	95.3	---	---	229.0	174.2	106.9	55.7	15.2	1.0
1960	118.1	0.9	99.0	---	---	254.4	187.5	110.5	56.5	16.5	1.0
1965	93.0	0.9	75.1	---	---	188.7	146.5	87.1	45.0	13.5	0.8
1970	85.6	1.1	71.8	---	---	163.3	137.2	67.7	30.1	8.8	0.5
1975	65.9	1.3	60.0	41.1	89.0	110.1	106.6	51.1	18.8	4.6	0.2
1980	70.6	1.2	57.5	35.6	88.0	121.9	116.9	60.5	18.3	3.7	0.2
1985	66.4	1.2	52.4	30.5	83.8	115.9	113.0	63.4	19.7	3.2	0.2
1990	67.9	1.2	62.7	39.2	92.9	118.9	117.3	70.5	25.3	4.1	0.1
1995	61.0	1.1	55.1	32.3	91.2	108.3	108.9	72.4	27.6	4.5	0.2
2000	63.3	0.7	48.6	26.7	80.4	115.2	115.4	82.9	31.4	5.8	0.4
2001	62.5	0.6	45.9	23.2	79.9	109.3	117.8	83.2	31.9	5.7	0.3
2002	62.6	0.6	43.7	21.9	76.6	108.3	116.4	84.2	33.1	5.9	0.4
2003	64.2	0.6	42.7	21.2	74.8	109.4	122.0	86.3	34.0	6.1	0.3
2004	65.0	0.7	42.8	21.4	74.4	108.4	121.4	87.1	36.2	6.4	0.4
2005	65.8	0.5	41.6	20.6	73.4	110.1	123.4	87.0	36.3	6.4	0.3
2006	68.2	0.5	44.0	22.4	77.0	114.4	124.8	89.3	37.1	6.6	0.4
2007	68.8	0.5	44.0	21.2	78.7	115.1	124.6	90.0	36.7	6.5	0.4
2008	68.4	0.5	43.5	21.3	75.8	111.3	122.1	90.4	36.5	6.8	0.4
2009	66.8	0.4	40.6	19.4	70.4	107.5	117.5	89.9	36.3	6.7	0.3
2010	65.2	0.4	37.0	17.0	65.0	100.0	116.6	90.2	36.0	7.2	0.4
2011	64.7	0.3	34.5	15.8	61.1	96.3	115.1	91.1	37.4	7.3	0.3
2012	64.3	0.4	32.2	13.9	58.9	93.3	115.1	91.4	37.8	7.5	0.4
2013	64.1	0.2	30.0	12.6	55.9	90.4	116.6	92.5	39.0	7.0	0.4
2014	64.0	0.3	27.2	11.7	50.7	88.9	115.6	94.8	39.7	7.5	0.4
2015	64.0	0.2	25.1	10.4	47.8	87.6	115.4	96.6	41.3	7.1	0.4
2016	63.8	0.2	23.4	9.4	44.9	85.4	113.9	97.8	42.7	8.1	0.4
2017	62.3	0.1	22.5	8.6	43.6	82.2	109.9	96.7	42.5	8.1	0.4
2018	62.4	0.2	21.6	8.6	41.0	81.9	110.2	97.7	42.8	8.8	0.5

Graph C. Crude and Age-Adjusted Death Rates\* per 1,000 Population: Missouri, 1911-2018



Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.	Year	Crude	Age-Adj.
1911	13.1	22.1	1945	12.1	15.5	1980	10.0	10.5	2015	9.8	8.2
1915	11.7	21.2	1950	11.0	14.3	1985	10.0	10.0	2016	9.8	8.1
1920	12.5	20.1	1955	10.4	13.8	1990	9.8	9.5	2017	10.1	8.2
1925	11.7	19.2	1960	11.2	13.2	1995	10.2	9.7	2018	10.3	8.2
1930	11.8	18.2	1965	11.2	12.9	2000	9.8	9.2			
1935	11.4	17.5	1970	11.1	12.6	2005	9.4	8.7			
1940	11.6	16.7	1975	10.2	11.2	2010	9.2	8.2			

\*United States 2000 population distribution used as the standard.



**Table 4. Age-Specific Death Rates per 1,000 Population: Missouri, 1911-2018**

Year	Total*	Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+
1911	22.1	99.6	12.3	2.7	4.8	6.9	8.8	13.5	24.4	52.4	118.8	247.6
1920	20.1	87.1	10.4	2.8	5.0	7.0	7.9	11.2	21.1	47.0	104.2	249.0
1930	18.2	63.9	5.1	1.8	3.3	4.4	6.4	11.9	22.2	49.5	110.0	190.0
1940	16.7	51.6	3.3	1.0	1.9	2.8	4.9	9.8	20.4	44.8	110.0	207.2
1950	14.3	33.4	1.5	0.6	1.2	1.7	3.4	8.1	18.1	38.9	94.3	210.4
1960	13.2	25.5	1.0	0.4	1.1	1.5	2.9	7.2	16.6	37.1	86.5	201.1
1970	12.6	20.8	0.8	0.4	1.4	1.6	3.2	7.2	16.6	35.8	81.8	181.9
1975	11.2	16.4	0.6	0.3	1.2	1.4	2.6	6.5	14.6	32.4	71.9	170.6
1980	10.5	12.3	0.7	0.3	1.3	1.3	2.2	5.8	13.4	30.5	67.1	162.4
1985	10.0	10.2	0.5	0.2	1.0	1.2	1.8	5.1	13.3	28.5	65.8	161.4
1990	9.4	9.4	0.5	0.3	1.1	1.3	2.0	4.5	12.5	26.8	60.9	154.5
1995	9.7	7.4	0.4	0.3	1.1	1.4	2.3	4.8	11.7	27.3	60.9	159.5
1996	9.5	7.6	0.4	0.3	1.0	1.2	2.3	4.5	11.2	26.5	60.6	158.2
1997	9.5	7.6	0.4	0.2	1.0	1.2	2.0	4.5	11.5	26.6	59.7	160.8
1998	9.4	7.6	0.4	0.2	0.9	1.2	2.1	4.4	11.0	26.5	60.6	163.5
1999	9.5	7.7	0.3	0.2	0.9	1.2	2.2	4.4	10.9	26.7	61.3	165.5
2000	9.2	7.2	0.3	0.2	1.0	1.1	2.1	4.4	10.6	25.5	59.5	162.2
2001	9.1	7.4	0.4	0.2	1.0	1.1	2.2	4.4	10.2	24.8	59.0	161.9
2002	9.1	8.5	0.4	0.2	1.0	1.1	2.2	4.6	10.1	25.0	59.1	164.3
2003	9.0	7.8	0.4	0.2	0.9	1.1	2.2	4.7	10.1	24.3	58.0	160.8
2004	8.7	7.5	0.4	0.2	0.9	1.1	2.1	4.5	9.9	23.3	56.0	154.9
2005	8.7	7.5	0.3	0.2	1.0	1.2	2.2	4.8	9.5	22.8	56.0	153.9
2006	8.6	7.4	0.3	0.2	1.0	1.3	2.2	4.7	9.6	22.2	54.6	151.8
2007	8.3	7.5	0.4	0.2	0.9	1.2	2.0	4.6	9.1	21.6	53.6	150.2
2008	8.6	7.2	0.3	0.2	0.9	1.2	2.1	4.8	9.7	21.7	54.7	156.1
2009	8.1	7.2	0.4	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.8	142.5
2010	8.2	6.6	0.2	0.1	0.9	1.3	2.1	4.7	9.3	20.8	51.6	146.9
2011	8.1	6.3	0.3	0.1	0.9	1.3	2.0	4.7	9.5	20.6	51.0	144.1
2012	8.0	6.6	0.3	0.2	0.8	1.3	2.0	4.7	9.4	20.1	50.2	141.1
2013	8.1	6.5	0.3	0.2	0.8	1.2	2.1	4.7	9.8	20.1	50.6	143.0
2014	8.0	6.1	0.3	0.1	0.8	1.3	2.1	4.9	10.1	20.2	50.5	139.4
2015	8.2	6.5	0.3	0.2	0.9	1.4	2.2	4.8	10.3	20.3	50.9	142.1
2016	8.1	6.6	0.3	0.1	1.0	1.6	2.4	4.7	10.0	20.0	49.4	138.9
2017	8.2	6.2	0.3	0.2	1.0	1.6	2.4	4.6	10.2	20.7	50.4	140.3
2018	8.2	6.3	0.3	0.1	1.0	1.7	2.5	4.9	10.5	20.5	49.4	140.3

\*Age-Adjusted Death Rate using United States 2000 population distribution as the standard.

**Table 5A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2018**

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Total</b>	73,281	53,549	10,543	4,708	4,407
<b>Gender</b>					
Male	37,304	27,344	5,310	2,420	2,191
Female	35,977	26,205	5,233	2,288	2,216
<b>Attendant</b>					
MD	56,497	40,077	9,281	3,758	3,327
DO	12,034	9,664	884	710	767
CNW/CM	3,455	2,640	318	208	282
CPM	460	415	12	13	19
Other Midwife	475	466	6	2	1
Other	360	287	42	17	11
<b>Birthplace</b>					
Hospital	71,470	51,947	10,443	4,656	4,355
Birthing Center	274	217	28	12	16
Clinic	214	207	1	2	3
Home Residence	1,183	1,069	54	30	27
...Planned	1,074	1,007	17	24	24
...Unplanned	101	56	36	5	3
Other	140	109	17	8	6
<b>Month of Birth</b>					
January	6,067	4,412	913	382	355
February	5,470	4,000	795	329	337
March	6,023	4,431	845	380	362
April	5,734	4,248	793	351	341
May	6,356	4,709	854	448	340
June	6,273	4,667	857	384	356
July	6,438	4,726	897	430	382
August	6,725	4,918	950	429	420
September	6,176	4,518	889	399	359
October	6,229	4,516	896	401	407
November	5,862	4,206	883	377	393
December	5,928	4,198	971	398	355
<b>Number Born</b>					
Singleton	70,616	51,650	10,044	4,542	4,311
Twin	2,600	1,848	487	164	96
Triplet	65	51	12	2	0
Quadruplet or More	0	0	0	0	0

\* Includes births to mothers of multiple races, but not mothers of unknown race.

	All Races	White Non-Hisp	Black Non-Hisp	Other Non-Hisp*	Hispanic, Any Race
<b>Previous Non-Live Birth Outcomes</b>					
None	50,164	37,126	6,586	3,283	3,124
One	14,616	10,449	2,406	939	806
Two or More	8,143	5,718	1,495	462	458
Unknown	358	256	56	24	19
<b>Maternal Smoking</b>					
Non-smoker	59,207	42,367	8,978	3,860	3,955
3 Months Prior	13,371	10,812	1,367	792	393
During Pregnancy	9,993	8,145	1,006	576	260
...First Trimester	9,700	7,913	972	559	250
...Second Trimester	8,284	6,850	796	454	178
...Last 3 Months	7,806	6,469	737	434	160
...Smoked Pack per Day	1,534	1,271	148	79	34
...Quit Smoking	2,165	1,657	268	142	98
Status Unknown	560	283	160	47	50
<b>Full-Term Singleton Maternal Weight Gain</b>					
Less than 15 Pounds	8,856	5,701	1,850	599	701
15 to 24 Pounds	10,536	7,523	1,460	746	794
25 to 34 Pounds	16,596	12,694	1,822	1,058	1,013
35 to 44 Pounds	13,671	10,697	1,502	799	665
45 or More Pounds	13,180	9,988	1,794	779	616
Unknown	1,624	974	365	138	127
<b>Maternal Weight Status Before Pregnancy</b>					
Underweight	2,574	1,856	364	237	114
Normal	30,677	23,368	3,517	2,149	1,624
Overweight	18,085	13,141	2,592	1,129	1,208
Obese	20,970	14,768	3,795	1,107	1,288
<b>Principal Payment Source</b>					
Medicaid	28,535	16,975	7,088	1,973	2,476
Private Insurance	39,738	32,865	2,909	2,425	1,502
Self-pay	2,696	2,077	231	154	227
Other	1,470	1,021	208	99	142
Unknown	842	611	107	57	60

**Table 5B. Resident Live Births by Selected Obstetric, Pediatric, and Maternal Conditions and Procedures: Missouri, 2018**

	Number	Percent
<u>Live Births</u>	73,281	100.0
<u>Pregnancy Risk Factors</u>	23,860	32.6
...Prepregnancy Diabetes	676	0.9
...Gestational Diabetes	5,074	6.9
...Insulin-dependent Diabetes	1,043	1.4
...Prepregnancy Hypertension	2,047	2.8
...Gestational Hypertension	5,994	8.2
...Eclampsia	417	0.6
...Previous Preterm Births	3,165	4.3
...Other Poor Pregnancy	1,640	2.2
...Infertility Treatment	1,264	1.7
...Previous Cesarean Delivery	10,180	13.9
<u>Infections</u>	2,630	3.6
...Gonorrhea	368	0.5
...Syphilis	79	0.1
...Chlamydia	1,771	2.4
...Hepatitis B	110	0.2
...Hepatitis C	543	0.7
...HIV	50	0.1
<u>Obstetric Procedures</u>	1,016	1.4
...Cervical Cerclage	246	0.3
...Tocolysis	534	0.7
...External Cephalic Version	279	0.4
....Successful*	135	48.4
<u>Onset of Labor</u>	7,322	10.0
...Premature Membrane Rupture	2,752	3.8
...Precipitous Labor	3,615	4.9
...Prolonged Labor	1,236	1.7

	Number	Percent
<u>Characteristics of Labor</u>	65,336	89.2
...Induction of Labor	26,780	36.5
...Augmentation of Labor	16,594	22.6
...Non-vertex Presentation	1,557	2.1
...Steroids for Lung Maturation	3,490	4.8
...Antibiotics for Mother	23,485	32.0
...Clinical Chorioamnionitis	1,044	1.4
...Meconium Staining	3,394	4.6
...Fetal Intolerance of Labor	3,926	5.4
...Epidural Given	57,718	78.8
<u>Final Delivery Route and Method</u>		
...Vaginal/Spontaneous	49,095	67.0
...Vaginal/Forceps	457	0.6
...Vaginal/Vacuum	1,654	2.3
...Cesarean	21,905	29.9
....Vaginal Trial Prior to Cesarean**	6,758	30.9
...Attempted Forceps (unsuccessful)	263	0.4
...Attempted Vacuum (unsuccessful)	516	0.7
...Vaginal After Previous Cesarean (VBAC)***	1,611	15.8
<u>Fetal Presentation:</u>		
...Cephalic	68,924	94.1
...Breech	3,070	4.2
...Other	464	0.6

	Number	Percent
<u>Abnormal Conditions of Newborn</u>	9,020	12.3
...Assisted Ventilation	4,666	6.4
...Assisted Ventilation, Long-term	1,478	2.0
...NICU Admission	6,546	8.9
...Surfactant Therapy	581	0.8
...Antibiotics for Suspected Sepsis	1,665	2.3
...Seizures or Neurological Problems	43	0.1
...Birth Injury	63	0.1
<u>Congenital Anomalies</u>	285	0.4
...Anencephaly	7	0.0
...Spina Bifida	18	0.0
...Cyanotic Heart Disease	33	0.0
...Diaphragmatic Hernia	13	0.0
...Omphalocele	12	0.0
...Gastrochisis	19	0.0
...Limb Reduction	9	0.0
...Cleft Lip (with or without Cleft Palate)	47	0.1
...Cleft Palate (alone)	20	0.0
...Down Syndrome	30	0.0
...Other Chromosomal	24	0.0
...Hypospadias	73	0.1
<u>Maternal Morbidity</u>	1,347	1.8
...Maternal Transfusion	339	0.5
...Perineal Laceration (3rd or 4th degree)	784	1.1
...Ruptured Uterus	32	0.0
...Unplanned Hysterectomy	41	0.1
...Admission to ICU	107	0.1
...Unplanned OR Procedure	209	0.3

\* Percent of Cephalic Version

\*\* Percent of Cesarean Births

\*\*\* Percent of Previous Cesarean Deliveries

**Table 6. Resident Live Births by Race and Age of Mother by Marital Status and Live Birth Order: Missouri, 2018**

	All Live Births						Out-of-Wedlock Births					
	Live Birth Order			Live Birth Order			Live Birth Order			Live Birth Order		
	Total	1st	2nd	3rd	4th	5th or More	Total	1st	2nd	3rd	4th	5th or More
<b>All Races</b>												
All Ages	73,281	26,910	23,437	12,919	5,641	4,374	29,537	12,365	8,424	4,807	2,254	1,687
Under 15	31	29	2	0	0	0	31	29	2	0	0	0
15-17	982	928	50	1	2	1	945	897	44	1	2	1
18-19	3,126	2,575	484	58	7	2	2,721	2,266	403	46	4	2
20-24	16,398	8,297	5,448	1,955	546	152	10,544	5,520	3,374	1,206	344	100
25-29	23,237	8,214	7,846	4,448	1,748	981	8,661	2,407	2,882	1,991	879	502
30-34	19,392	5,002	6,650	4,165	2,033	1,542	4,361	859	1,181	1,035	685	601
35-39	8,457	1,560	2,562	1,978	1,079	1,278	1,888	314	450	450	281	393
40-44	1,554	275	373	295	222	389	357	62	80	72	59	84
45 and Over	87	21	18	16	4	28	17	4	5	4	0	4
Unknown	17	9	4	3	0	1	12	7	3	2	0	0
<b>White, Non-Hispanic</b>												
All Ages	53,549	19,928	17,684	9,477	3,776	2,684	17,373	7,757	4,995	2,787	1,125	709
Under 15	11	11	0	0	0	0	11	11	0	0	0	0
15-17	573	541	29	1	1	1	544	518	23	1	1	1
18-19	2,038	1,708	293	29	6	2	1,701	1,445	229	22	3	2
20-24	11,340	5,827	3,773	1,331	320	89	6,446	3,497	2,027	712	162	48
25-29	17,145	6,405	5,928	3,153	1,125	534	4,919	1,465	1,678	1,139	442	195
30-34	15,036	4,043	5,362	3,263	1,417	951	2,474	563	708	601	349	253
35-39	6,247	1,171	2,009	1,492	757	818	1,051	206	276	263	136	170
40-44	1,084	198	275	196	147	268	205	42	48	45	32	38
45 and Over	61	16	13	9	3	20	12	4	4	2	0	2
Unknown	14	8	2	3	0	1	10	6	2	2	0	0
<b>Black, Non-Hispanic</b>												
All Ages	10,543	3,505	2,942	1,934	1,076	1,086	8,072	2,929	2,296	1,381	759	707
Under 15	13	12	1	0	0	0	13	12	1	0	0	0
15-17	234	221	13	0	0	0	233	220	13	0	0	0
18-19	613	483	113	16	1	0	603	475	111	16	1	0
20-24	2,964	1,418	973	379	146	48	2,680	1,302	874	332	129	43
25-29	3,420	844	1,060	781	410	325	2,653	648	851	594	321	239
30-34	2,086	341	531	487	346	381	1,276	189	318	304	214	251
35-39	1,004	157	208	227	144	268	529	71	109	116	82	151
40-44	196	27	40	41	28	60	83	12	19	18	12	22
45 and Over	13	2	3	3	1	4	2	0	0	1	0	1
Unknown	0	0	0	0	0	0	0	0	0	0	0	0

**Table 7. Teen-Age Resident Live Births by Race and Age of Mother by Marital Status  
and Live Birth Order with Percentages: Missouri, 2018**

	All Live Births				Out-of-Wedlock Births				Percent Out-of-Wedlock				
	Total	Live Birth Order			Total	Live Birth Order			Total	Live Birth Order			
		1st	2nd	3rd or More		1st	2nd	3rd or More		1st	2nd	3rd or More	
All Races	All Ages	4,139	3,532	536	71	3,697	3,192	449	56	89.3	90.4	83.8	78.9
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	1	0	1	0	1	0	1	0	100.0	---	100.0	---
	12	1	1	0	0	1	1	0	0	100.0	100.0	---	---
	13	6	6	0	0	6	6	0	0	100.0	100.0	---	---
	14	23	22	1	0	23	22	1	0	100.0	100.0	100.0	---
	15	99	98	1	0	98	97	1	0	99.0	99.0	100.0	---
	16	297	289	7	1	288	280	7	1	97.0	96.9	100.0	100.0
	17	586	541	42	3	559	520	36	3	95.4	96.1	85.7	100.0
	18	1,193	1,051	134	8	1,088	966	114	8	91.2	91.9	85.1	100.0
	19	1,933	1,524	350	59	1,633	1,300	289	44	84.5	85.3	82.6	74.6
	All Ages	2,622	2,260	322	40	2,256	1,974	252	30	86.0	87.3	78.3	75.0
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	0	0	0	0	0	0	0	0	---	---	---	---
	13	3	3	0	0	3	3	0	0	100.0	100.0	---	---
	14	8	8	0	0	8	8	0	0	100.0	100.0	---	---
	15	53	52	1	0	53	52	1	0	100.0	100.0	100.0	---
	16	155	153	2	0	149	147	2	0	96.1	96.1	100.0	---
17	365	336	26	3	342	319	20	3	93.7	94.9	76.9	100.0	
18	772	686	83	3	684	614	67	3	88.6	89.5	80.7	100.0	
19	1,266	1,022	210	34	1,017	831	162	24	80.3	81.3	77.1	70.6	
Black, Non-Hispanic	All Ages	860	716	127	17	849	707	125	17	98.7	98.7	98.4	100.0
	10	0	0	0	0	0	0	0	0	---	---	---	---
	11	0	0	0	0	0	0	0	0	---	---	---	---
	12	1	1	0	0	1	1	0	0	100.0	100.0	---	---
	13	0	0	0	0	0	0	0	0	---	---	---	---
	14	12	11	1	0	12	11	1	0	100.0	100.0	100.0	---
	15	24	24	0	0	24	24	0	0	100.0	100.0	---	---
	16	82	79	3	0	81	78	3	0	98.8	98.7	100.0	---
	17	128	118	10	0	128	118	10	0	100.0	100.0	100.0	---
	18	228	197	27	4	226	195	27	4	99.1	99.0	100.0	100.0
	19	385	286	86	13	377	280	84	13	97.9	97.9	97.7	100.0

**Table 8. Percent Resident Low Birth Weight and Resident Live Births by Birth Weight  
by Race and Age of Mother: Missouri, 2018**

	Percent Low Birth Weight	Total	Birth Weight (Grams)										4500 or More	Unknown
			Less Than 500	500-999	1000- 1499	1500- 1999	2000- 2499	2500- 2999	3000- 3499	3500- 3999	4000- 4499			
All Races	All Ages	73,281	133	320	557	1,305	4,096	13,421	27,726	19,714	5,136	833	40	
	Under 15	31	0	0	1	0	6	9	8	7	0	0	0	
	15-17	982	5	9	9	26	67	250	384	193	35	3	1	
	18-19	3,126	5	15	39	74	205	729	1,231	684	123	19	2	
	20-24	16,398	35	78	131	287	903	3,438	6,434	4,105	860	122	5	
	25-29	23,237	36	100	156	377	1,282	4,141	8,992	6,294	1,622	228	9	
	30-34	19,392	32	67	134	328	1,023	3,126	7,122	5,607	1,644	294	15	
	35-39	8,457	18	36	74	178	497	1,428	2,961	2,405	714	140	6	
	40 and Over	1,641	2	14	13	35	113	299	588	410	138	27	2	
	All Ages	53,549	69	170	334	792	2,549	8,626	20,246	15,730	4,282	717	34	
White, Non-Hispanic	Under 15	11	0	0	0	0	2	3	3	3	0	0	0	
	15-17	573	3	6	3	12	32	120	238	131	25	2	1	
	18-19	2,038	2	9	25	38	112	414	823	510	89	14	2	
	20-24	11,340	17	41	73	144	492	2,110	4,509	3,137	704	109	4	
	25-29	17,145	18	56	90	233	797	2,667	6,643	5,081	1,353	199	8	
	30-34	15,036	16	34	89	225	685	2,170	5,469	4,673	1,406	256	13	
	35-39	6,247	11	16	45	112	359	948	2,144	1,886	604	118	4	
	40 and Over	1,145	2	8	9	28	70	193	411	302	101	19	2	
	All Ages	10,543	42	110	167	365	996	2,888	3,914	1,691	317	51	2	
	Under 15	13	0	0	1	0	3	4	3	2	0	0	0	
Black, Non-Hispanic	15-17	234	1	1	4	7	23	87	82	26	2	1	0	
	18-19	613	2	4	8	29	56	199	220	82	11	2	0	
	20-24	2,964	11	27	46	110	280	836	1,106	479	64	4	1	
	25-29	3,420	11	36	56	105	330	939	1,295	531	103	14	0	
	30-34	2,086	11	22	26	71	214	510	779	349	86	17	1	
	35-39	1,004	6	16	22	40	75	258	357	185	37	8	0	
	40 and Over	209	0	4	4	3	15	55	72	37	14	5	0	

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2018**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
State Total	73,281	53,549	10,543	29,537	17,373	8,072	40.3	32.4	76.6
Adair	287	233	35	91	74	9	31.7	31.8	25.7
Andrew	188	182	0	62	58	0	33.0	31.9	---
Atchison	41	38	0	7	7	0	17.1	18.4	---
Audrain	325	281	20	148	120	16	45.5	42.7	80.0
Barry	425	341	3	154	121	0	36.2	35.5	0.0
Barton	138	128	1	46	43	1	33.3	33.6	100.0
Bates	172	161	0	67	61	0	39.0	37.9	---
Benton	183	176	0	83	78	0	45.4	44.3	---
Bollinger	149	143	0	62	59	0	41.6	41.3	---
Boone	2,051	1,446	279	649	343	197	31.6	23.7	70.6
Buchanan	1,118	869	56	588	426	45	52.6	49.0	80.4
Butler	500	414	41	295	230	37	59.0	55.6	90.2
Caldwell	108	101	0	43	41	0	39.8	40.6	---
Callaway	501	456	17	210	183	13	41.9	40.1	76.5
Camden	372	337	2	157	137	0	42.2	40.7	0.0
Cape Girardeau	931	703	132	363	200	111	39.0	28.4	84.1
Carroll	90	84	0	39	34	0	43.3	40.5	---
Carter	87	84	1	43	40	1	49.4	47.6	100.0
Cass	1,150	962	59	403	310	35	35.0	32.2	59.3
Cedar	194	189	0	57	56	0	29.4	29.6	---
Chariton	91	86	2	34	29	2	37.4	33.7	100.0
Christian	1,045	964	3	261	232	0	25.0	24.1	0.0
Clark	78	77	0	28	27	0	35.9	35.1	---
Clay	3,121	2,382	281	979	641	145	31.4	26.9	51.6
Clinton	223	211	0	77	73	0	34.5	34.6	---
Cole	923	703	131	378	235	104	41.0	33.4	79.4
Cooper	215	194	10	91	76	7	42.3	39.2	70.0
Crawford	265	254	0	129	120	0	48.7	47.2	---
Dade	75	72	0	24	24	0	32.0	33.3	---
Dallas	239	227	1	72	67	0	30.1	29.5	0.0
Davies	129	124	0	40	37	0	31.0	29.8	---
Dekalb	102	96	1	41	38	1	40.2	39.6	100.0
Dent	186	176	1	78	74	0	41.9	42.0	0.0
Douglas	162	153	2	41	37	2	25.3	24.2	100.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2018**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Dunklin	389	250	81	240	129	71	61.7	51.6	87.7
Franklin	1,176	1,112	4	445	415	2	37.8	37.3	50.0
Gasconade	153	140	0	61	53	0	39.9	37.9	---
Gentry	87	87	0	26	26	0	29.9	29.9	---
Greene	3,309	2,827	111	1,308	1,064	72	39.5	37.6	64.9
Grundy	151	143	0	55	50	0	36.4	35.0	---
Harrison	97	92	0	35	31	0	36.1	33.7	---
Henry	243	233	2	114	108	2	46.9	46.4	100.0
Hickory	72	71	0	25	24	0	34.7	33.8	---
Holt	51	48	0	14	12	0	27.5	25.0	---
Howard	108	93	8	48	37	7	44.4	39.8	87.5
Howell	523	501	1	229	218	0	43.8	43.5	0.0
Iron	101	95	0	53	49	0	52.5	51.6	---
Jackson	9,075	4,635	2,434	4,480	1,517	1,869	49.4	32.7	76.8
Jasper	1,570	1,201	28	701	484	12	44.6	40.3	42.9
Jefferson	2,547	2,381	30	1,028	930	18	40.4	39.1	60.0
Johnson	695	582	20	184	152	7	26.5	26.1	35.0
Knox	58	56	0	20	20	0	34.5	35.7	---
Laclede	469	432	4	203	185	3	43.3	42.8	75.0
Lafayette	384	337	4	151	125	3	39.3	37.1	75.0
Lawrence	525	439	2	185	142	1	35.2	32.3	50.0
Lewis	135	131	3	42	39	2	31.1	29.8	66.7
Lincoln	812	754	11	286	246	9	35.2	32.6	81.8
Linn	131	127	0	53	50	0	40.5	39.4	---
Livingston	152	145	0	68	63	0	44.7	43.4	---
Macon	179	164	4	52	41	3	29.1	25.0	75.0
Madison	151	144	0	60	58	0	39.7	40.3	---
Maries	91	87	0	37	35	0	40.7	40.2	---
Marion	354	307	25	164	127	24	46.3	41.4	96.0
McDonald	364	244	15	168	114	5	46.2	46.7	33.3
Mercer	43	42	0	8	8	0	18.6	19.0	---
Miller	335	319	0	149	140	0	44.5	43.9	---
Mississippi	159	123	34	87	53	32	54.7	43.1	94.1
Moniteau	209	187	2	61	51	1	29.2	27.3	50.0
Monroe	94	88	3	36	35	0	38.3	39.8	0.0



**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2018**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Montgomery	149	142	1	56	52	1	37.6	36.6	100.0
Morgan	267	256	0	75	71	0	28.1	27.7	---
New Madrid	193	147	38	98	63	31	50.8	42.9	81.6
Newton	735	578	8	303	221	5	41.2	38.2	62.5
Nodaway	205	199	2	50	50	0	24.4	25.1	0.0
Oregon	129	124	0	42	40	0	32.6	32.3	---
Osage	143	137	0	39	36	0	27.3	26.3	---
Ozark	79	76	0	32	30	0	40.5	39.5	---
Pemiscot	224	131	76	160	80	69	71.4	61.1	90.8
Perry	230	221	0	86	79	0	37.4	35.7	---
Pettis	599	451	22	244	164	17	40.7	36.4	77.3
Phelps	467	378	12	165	141	8	35.3	37.3	66.7
Pike	215	199	4	84	75	3	39.1	37.7	75.0
Platte	1,219	885	130	324	192	64	26.6	21.7	49.2
Polk	423	406	1	156	152	0	36.9	37.4	0.0
Pulaski	714	514	68	188	137	19	26.3	26.7	27.9
Putnam	61	59	0	21	20	0	34.4	33.9	---
Ralls	93	86	3	28	24	3	30.1	27.9	100.0
Randolph	311	270	12	155	131	10	49.8	48.5	83.3
Ray	268	253	1	107	101	0	39.9	39.9	0.0
Reynolds	73	71	0	35	35	0	47.9	49.3	---
Ripley	159	157	1	68	67	1	42.8	42.7	100.0
Saline	252	191	9	126	100	7	50.0	52.4	77.8
Schuyler	65	65	0	13	13	0	20.0	20.0	---
Scotland	74	73	0	11	11	0	14.9	15.1	---
Scott	500	387	83	286	194	72	57.2	50.1	86.7
Shannon	96	94	0	42	40	0	43.8	42.6	---
Shelby	82	79	0	26	24	0	31.7	30.4	---
St. Charles	4,311	3,574	217	1,050	776	131	24.4	21.7	60.4
St. Clair	98	93	0	32	30	0	32.7	32.3	---
St. Francois	701	664	10	323	299	9	46.1	45.0	90.0
St. Louis City	4,137	1,454	2,133	2,390	340	1,800	57.8	23.4	84.4
St. Louis County	11,359	6,004	3,763	4,535	1,120	2,924	39.9	18.7	77.7
Ste. Genevieve	222	211	3	88	84	3	39.6	39.8	100.0
Stoddard	349	329	4	138	127	4	39.5	38.6	100.0

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2018**

Counties	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Stone	266	245	1	117	108	1	44.0	44.1	100.0
Sullivan	98	58	9	41	20	4	41.8	34.5	44.4
Taney	655	542	10	294	237	5	44.9	43.7	50.0
Texas	264	255	1	98	94	0	37.1	36.9	0.0
Vernon	256	246	0	106	101	0	41.4	41.1	---
Warren	430	376	14	170	136	11	39.5	36.2	78.6
Washington	274	262	0	135	126	0	49.3	48.1	---
Wayne	115	110	2	52	51	0	45.2	46.4	0.0
Webster	608	587	1	144	135	1	23.7	23.0	100.0
Worth	27	27	0	8	8	0	29.6	29.6	---
Wright	230	219	0	80	76	0	34.8	34.7	---

Multi-County Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Joplin	660	504	17	318	224	10	48.2	44.4	58.8
...Jasper Co. Part	598	454	15	293	205	9	49.0	45.2	60.0
...Newton Co. Part	62	50	2	25	19	1	40.3	38.0	50.0
Kansas City	6,971	3,191	2,162	3,320	845	1,618	47.6	26.5	74.8
...Jackson Co. Part	4,477	1,466	1,856	2,588	449	1,461	57.8	30.6	78.7
...Clay Co. Part	1,837	1,311	207	538	302	108	29.3	23.0	52.2
...Platte Co. Part	657	414	99	194	94	49	29.5	22.7	49.5
...Cass Co. Part	0	0	0	0	0	0	---	---	---

**Table 9. Resident Live Births by Mother's Marital Status by Race of Mother  
with Percentages by County and Cities with 25,000 or More Population: Missouri, 2018**

Cities	All Live Births			Out-of-Wedlock Births			Percent Out-of-Wedlock		
	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic	All Races	White, Non-Hispanic	Black, Non-Hispanic
Ballwin	298	237	10	40	32	4	13.4	13.5	40.0
Blue Springs	676	528	53	219	145	32	32.4	27.5	60.4
Cape Girardeau	480	294	117	242	103	100	50.4	35.0	85.5
Chesterfield	361	239	20	40	23	7	11.1	9.6	35.0
Columbia	1,328	847	234	439	201	164	33.1	23.7	70.1
Florissant	683	255	361	389	94	258	57.0	36.9	71.5
Gladstone	345	248	37	148	101	18	42.9	40.7	48.6
Hazelwood	333	122	162	192	48	114	57.7	39.3	70.4
Independence	1,472	925	175	825	455	142	56.0	49.2	81.1
Jefferson City	543	359	116	261	136	95	48.1	37.9	81.9
Kirkwood	304	257	25	42	23	15	13.8	8.9	60.0
Lee's Summit	1,071	828	95	240	140	59	22.4	16.9	62.1
Liberty	311	270	14	91	72	7	29.3	26.7	50.0
Maryland Heights	374	171	66	111	46	44	29.7	26.9	66.7
O'Fallon	971	795	41	210	158	22	21.6	19.9	53.7
Raytown	334	162	106	167	60	72	50.0	37.0	67.9
St. Charles	718	528	61	235	148	45	32.7	28.0	73.8
St. Joseph	985	746	55	539	383	44	54.7	51.3	80.0
St. Louis City	4,137	1,454	2,133	2,390	340	1,800	57.8	23.4	84.4
St. Peters	608	516	30	141	114	12	23.2	22.1	40.0
Springfield	1,914	1,568	96	937	741	65	49.0	47.3	67.7
University City	423	230	146	129	7	108	30.5	3.0	74.0
Wentzville	593	511	35	132	96	22	22.3	18.8	62.9
Wildwood	224	194	2	25	23	0	11.2	11.9	0.0

**Table 10A. Resident Live Births by Selected Characteristics by Race and Hispanic Origin of Mother: Missouri, 2018**

	<u>All Races</u>		<u>White, Non-Hisp.</u>		<u>Black, Non-Hisp.</u>		<u>Other, Non-Hisp.*</u>		<u>Hispanic, Any Race</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	73,281	100.0	53,549	100.0	10,543	100.0	4,708	100.0	4,407	100.0
Birth Weight: Under 2500 Grams	6,411	8.8	3,914	7.3	1,680	15.9	484	10.3	321	7.3
Birth Weight: Above 4499 Grams	833	1.1	717	1.3	51	0.5	31	0.7	34	0.8
Gestational Age: Less than 37 Weeks	7,853	10.7	5,239	9.8	1,597	15.2	547	11.6	456	10.4
APGAR (5 Minutes): Less than 8	3,673	5.0	2,510	4.7	753	7.2	229	4.9	177	4.0
Infant Care: NICU Admission	6,546	8.9	4,379	8.2	1,314	12.5	481	10.2	364	8.3
Infant Care: Transfer to Other Facility	1,211	1.7	788	1.5	285	2.7	75	1.6	61	1.4
Place of Birth: At-Home Delivery	1,183	1.6	1,069	2.0	54	0.5	30	0.6	27	0.6
Method of Delivery: Cesarean	21,905	30.0	15,961	29.9	3,229	30.7	1,483	31.5	1,206	27.4
Infant Care: Breastfed After Delivery	56,926	79.7	42,923	82.3	6,731	65.7	3,724	81.2	3,501	80.9
Maternal Smoking: During Pregnancy	9,993	13.7	8,145	15.3	1,006	9.7	576	12.4	260	6.0
...Quit Smoking During Pregnancy	2,165	21.7	1,657	20.3	268	26.6	142	24.7	98	37.7
Mat. Weight: Underweight (BMI < 18.5)	2,574	3.6	1,856	3.5	364	3.5	237	5.1	114	2.7
Mat. Weight: Obese (BMI ≥ 30)	20,970	29.0	14,768	27.8	3,795	37.0	1,107	24.0	1,288	30.4
Mat. Sing. Wt. Gain: Low (< 15 lbs)	8,856	14.1	5,701	12.2	1,850	22.0	599	15.0	701	18.5
Mat. Sing. Wt. Gain: High (> 45 lbs)	13,180	21.0	9,988	21.4	1,794	21.3	779	19.6	616	16.3
Mother's Education: Under 12 Yrs.	8,730	12.0	5,322	10.0	1,510	14.4	619	13.2	1,276	29.1
Marital Status: Out-of-Wedlock	29,537	40.3	17,373	32.4	8,072	76.6	1,814	38.5	2,247	51.0
Live Birth Order: 4 or More	10,015	13.7	6,460	12.1	2,162	20.6	605	12.9	771	17.5
Birth Spacing: Less than 18 Months	5,270	12.2	3,590	11.4	1,061	16.3	314	12.1	295	11.0
Prenatal Care: 1st Trimester	49,406	71.4	39,069	75.7	5,055	55.9	2,819	64.4	2,433	59.7
Prenatal Care: 2nd Trimester	14,855	21.5	9,789	19.0	2,790	30.9	1,121	25.6	1,137	27.9
Prenatal Care: 3rd Trimester	3,721	5.4	2,128	4.1	876	9.7	330	7.5	382	9.4
Prenatal Care: None	1,213	1.8	651	1.3	321	3.6	109	2.5	126	3.1
Prenatal Care: Inadequate	14,346	21.0	8,547	16.8	3,395	37.8	1,158	26.8	1,226	30.5
Maternal Utilization: Medicaid	28,535	39.4	16,975	32.1	7,088	67.9	1,973	42.4	2,476	57.0
Maternal Utilization: WIC	25,998	36.2	15,985	30.3	5,936	58.7	1,742	38.8	2,327	54.2
Maternal Utilization: Food Stamps	17,663	26.2	9,834	19.8	5,599	58.9	1,223	28.7	1,000	25.4
Mother's Age: At Delivery	31	0.0	11	0.0	13	0.1	2	0.0	5	0.1
Under 15										
15-17	982	1.3	573	1.1	234	2.2	68	1.4	106	2.4
18-19	3,126	4.3	2,038	3.8	613	5.8	192	4.1	283	6.4
20-24	16,398	22.4	11,340	21.2	2,964	28.1	1,014	21.5	1,068	24.2
25-29	23,237	31.7	17,145	32.0	3,420	32.4	1,383	29.4	1,267	28.8
30-34	19,392	26.5	15,036	28.1	2,086	19.8	1,263	26.8	984	22.3
35-39	8,457	11.5	6,247	11.7	1,004	9.5	637	13.5	555	12.6
40 and over	1,641	2.2	1,145	2.1	209	2.0	148	3.1	138	3.1

\* Includes births to mothers of multiple races, but not mothers of unknown race.

**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2018**

	<u>Northeast</u>		<u>Northwest</u>		<u>Central</u>		<u>Southeast</u>		<u>Southwest</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	3,004	100.0	2,830	100.0	8,551	100.0	6,716	100.0	11,423	100.0
Birth Weight: Under 2500 Grams	268	8.9	199	7.0	706	8.3	628	9.4	824	7.2
Birth Weight: Above 4499 Grams	42	1.4	29	1.0	111	1.3	68	1.0	151	1.3
Gestational Age: Less than 37 Weeks	317	10.6	224	7.9	872	10.2	754	11.3	1,115	9.8
APGAR (5 Minutes): Less than 8	224	7.5	89	3.2	505	5.9	327	4.9	513	4.6
Infant Care: NICU Admission	218	7.3	163	5.8	759	8.9	476	7.1	924	8.1
Infant Care: Transfer to Other Facility	71	2.4	39	1.4	145	1.7	206	3.1	100	0.9
Place of Birth: At-Home Delivery	180	6.0	77	2.7	167	2.0	80	1.2	329	2.9
Method of Delivery: Cesarean	869	29.1	732	25.9	2,622	30.7	2,151	32.1	3,327	29.2
Infant Care: Breastfed After Delivery	2,344	81.7	2,069	74.7	6,683	80.8	4,385	66.5	9,262	83.7
Maternal Smoking: During Pregnancy	573	19.2	508	18.1	1,476	17.4	1,470	22.1	1,882	16.5
...Quit Smoking During Pregnancy	113	19.7	104	20.5	298	20.2	253	17.2	423	22.5
Mat. Weight: Underweight (BMI < 18.5)	109	3.7	87	3.1	288	3.4	279	4.2	462	4.1
Mat. Weight: Obese (BMI ≥ 30)	894	30.4	881	31.4	2,506	29.7	2,199	33.0	3,291	29.1
Mat. Sing. Wt. Gain: Low (< 15 lbs)	409	15.9	349	13.8	1,120	15.1	935	16.4	1,360	13.5
Mat. Sing. Wt. Gain: High (> 45 lbs)	451	17.5	563	22.2	1,439	19.4	1,203	21.1	2,216	22.0
Mother's Education: Under 12 Yrs.	539	18.0	381	13.5	1,147	13.4	997	14.9	1,844	16.2
Marital Status: Out-of-Wedlock	1,156	38.5	1,094	38.7	3,172	37.1	3,101	46.2	4,350	38.1
Live Birth Order: 4 or More	469	15.6	408	14.4	1,197	14.0	972	14.5	1,763	15.4
Birth Spacing: Less than 18 Months	225	12.3	246	14.0	626	12.2	616	15.1	906	12.9
Prenatal Care: 1st Trimester	2,187	74.5	2,087	76.0	6,062	74.2	4,477	68.6	7,786	69.3
Prenatal Care: 2nd Trimester	565	19.2	501	18.2	1,653	20.2	1,569	24.0	2,435	21.7
Prenatal Care: 3rd Trimester	156	5.3	125	4.6	373	4.6	385	5.9	683	6.1
Prenatal Care: None	28	1.0	34	1.2	77	0.9	97	1.5	332	3.0
Prenatal Care: Inadequate	661	22.7	494	18.1	1,515	18.8	1,404	21.7	2,599	23.4
Maternal Utilization: Medicaid	1,097	36.9	1,069	38.0	3,254	38.2	3,706	55.8	5,184	45.7
Maternal Utilization: WIC	1,299	43.9	1,011	36.2	3,144	37.5	3,626	54.8	5,059	44.8
Maternal Utilization: Food Stamps	678	25.6	606	22.8	2,128	25.8	2,284	37.0	2,826	26.0
Mother's Age: At Delivery	3	0.1	1	0.0	2	0.0	5	0.1	3	0.0
Under 15	39	1.3	29	1.0	102	1.2	159	2.4	196	1.7
15-17	173	5.8	132	4.7	370	4.3	412	6.1	654	5.7
18-19	856	28.5	791	28.0	2,055	24.0	2,068	30.8	3,176	27.8
20-24	989	32.9	934	33.0	2,832	33.1	2,167	32.3	3,656	32.0
25-29	650	21.6	690	24.4	2,162	25.3	1,308	19.5	2,472	21.6
30-34	240	8.0	224	7.9	849	9.9	501	7.5	1,053	9.2
35-39	53	1.8	29	1.0	177	2.1	94	1.4	210	1.8
40 and over										

**Table 10B. Resident Live Births by Selected Characteristics by BRFSS Region and Metro vs Non-Metro Area: Missouri, 2018**

	<u>St. Louis Region</u>		<u>Kansas City Region</u>		<u>Metro</u>		<u>Non-Metro</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	25,037	100.0	15,720	100.0	55,380	100.0	17,901	100.0
Birth Weight: Under 2500 Grams	2,454	9.8	1,332	8.5	4,920	8.9	1,491	8.3
Birth Weight: Above 4499 Grams	287	1.1	145	0.9	625	1.1	208	1.2
Gestational Age: Less than 37 Weeks	2,952	11.8	1,619	10.3	5,990	10.8	1,863	10.4
APGAR (5 Minutes): Less than 8	1,313	5.3	702	4.5	2,711	4.9	962	5.4
Infant Care: NICU Admission	2,335	9.3	1,671	10.6	5,308	9.6	1,238	6.9
Infant Care: Transfer to Other Facility	497	2.0	153	1.0	749	1.4	462	2.6
Place of Birth: At-Home Delivery	125	0.5	225	1.4	620	1.1	563	3.1
Method of Delivery: Cesarean	8,007	32.1	4,197	26.7	16,572	30.0	5,333	29.9
Infant Care: Breastfed After Delivery	19,885	80.9	12,298	80.6	43,958	81.4	12,968	74.5
Maternal Smoking: During Pregnancy	2,372	9.6	1,712	11.0	6,302	11.5	3,691	20.8
...Quit Smoking During Pregnancy	564	23.8	410	23.9	1,474	23.4	691	18.7
Mat. Weight: Underweight (BMI < 18.5)	822	3.3	527	3.4	1,900	3.5	674	3.8
Mat. Weight: Obese (BMI >= 30)	6,767	27.4	4,432	28.7	15,405	28.2	5,565	31.4
Mat. Sing. Wt. Gain: Low (< 15 lbs)	2,710	12.9	1,973	14.5	6,427	13.6	2,429	15.7
Mat. Sing. Wt. Gain: High (> 45 lbs)	4,520	21.6	2,788	20.5	10,143	21.4	3,037	19.7
Mother's Education: Under 12 Yrs.	2,064	8.3	1,758	11.2	5,783	10.5	2,947	16.5
Marital Status: Out-of-Wedlock	10,033	40.1	6,631	42.2	22,243	40.2	7,294	40.7
Live Birth Order: 4 or More	3,086	12.4	2,120	13.5	7,277	13.2	2,738	15.3
Birth Spacing: Less than 18 Months	1,599	11.3	1,052	11.2	3,770	11.7	1,500	13.5
Prenatal Care: 1st Trimester	16,185	72.7	10,622	69.3	37,263	71.8	12,143	70.3
Prenatal Care: 2nd Trimester	4,578	20.6	3,554	23.2	10,965	21.1	3,890	22.5
Prenatal Care: 3rd Trimester	1,115	5.0	884	5.8	2,728	5.3	993	5.7
Prenatal Care: None	386	1.7	259	1.7	964	1.9	249	1.4
Prenatal Care: Inadequate	4,320	19.6	3,353	22.3	10,550	20.6	3,796	22.2
Maternal Utilization: Medicaid	8,158	33.1	6,067	39.1	20,096	36.7	8,439	47.6
Maternal Utilization: WIC	6,786	27.9	5,073	33.0	17,400	32.2	8,598	48.6
Maternal Utilization: Food Stamps	5,786	24.2	3,355	26.1	12,635	24.9	5,028	30.3
Mother's Age: At Delivery	11	0.0	6	0.0	24	0.0	7	0.0
15-17	247	1.0	210	1.3	682	1.2	300	1.7
18-19	774	3.1	611	3.9	2,080	3.8	1,046	5.8
20-24	4,144	16.6	3,308	21.0	11,003	19.9	5,395	30.1
25-29	7,581	30.3	5,078	32.3	17,442	31.5	5,795	32.4
30-34	7,933	31.7	4,177	26.6	15,747	28.4	3,645	20.4
35-39	3,668	14.7	1,922	12.2	7,024	12.7	1,433	8.0
40 and over	671	2.7	407	2.6	1,368	2.5	273	1.5

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Adair</u>		<u>Andrew</u>		<u>Atchison</u>		<u>Audrain</u>		<u>Barry</u>		<u>Barton</u>		<u>Bates</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	287	100.0	188	100.0	41	100.0	325	100.0	425	100.0	138	100.0	172	100.0
Birth Weight: Under 2500 Grams	22	7.7	15	8.0	0	0.0	29	9.0	22	5.2	11	8.0	11	6.4
Birth Weight: Above 4499 Grams	5	1.7	2	1.1	1	2.4	2	0.6	3	0.7	0	0.0	1	0.6
Gest. Age: Less than 37 Weeks	24	8.4	14	7.4	1	2.4	28	8.6	35	8.2	15	10.9	13	7.6
APGAR (5 Min.): Less than 8	39	13.6	7	3.7	0	0.0	17	5.3	23	5.4	7	5.1	10	5.8
Infant Care: NICU Admission	11	3.8	10	5.3	1	2.4	29	8.9	33	7.8	16	11.6	11	6.4
Infant Care: Transfer	13	4.5	2	1.1	1	2.4	9	2.8	9	2.1	2	1.4	3	1.7
Place of Birth: At-Home Delivery	15	5.2	1	0.5	0	0.0	43	13.2	3	0.7	8	5.8	4	2.3
Method of Delivery: Cesarean	73	25.4	56	29.8	10	24.4	111	34.2	118	27.8	41	29.7	37	22.0
Infant Care: Breastfed	229	83.3	142	77.6	29	70.7	227	70.7	306	73.2	115	83.9	127	78.9
Mat. Smoking: During Preg.	47	16.4	32	17.1	5	12.2	77	23.8	78	18.4	16	11.6	34	19.8
...Quit Smoking During Preg.	5	10.6	10	31.3	0	0.0	15	19.5	14	17.9	3	18.8	6	17.6
Mat. Wt.: Underweight	10	3.5	5	2.7	1	2.4	3	1.0	16	3.8	4	3.0	9	5.2
Mat. Wt.: Obese	70	24.8	61	32.4	12	29.3	96	30.8	108	25.7	47	34.8	56	32.6
Mat. Sing. Wt. Gain: Low	38	15.1	18	10.3	9	22.5	66	23.2	52	13.6	18	15.3	22	13.9
Mat. Sing. Wt. Gain: High	36	14.3	40	23.0	9	22.5	34	12.0	86	22.5	21	17.8	31	19.6
Mother's Education: Under 12 Yrs.	41	14.3	13	7.0	3	7.3	96	29.7	81	19.1	26	18.8	24	14.0
Marital Status: Out-of-Wedlock	91	31.7	62	33.0	7	17.1	148	45.5	154	36.2	46	33.3	67	39.0
Live Birth Order: 4 or More	42	14.7	19	10.1	9	22.0	76	23.4	75	17.6	31	22.5	22	12.8
Birth Spacing: Less than 18 Mos.	19	11.0	14	12.0	2	7.1	22	9.7	49	17.2	10	11.0	10	9.8
Prenatal Care: 1st Trimester	212	74.9	156	84.8	33	80.5	196	62.0	286	68.3	102	75.0	127	75.6
Prenatal Care: 2nd Trimester	56	19.8	25	13.6	8	19.5	74	23.4	91	21.7	27	19.9	35	20.8
Prenatal Care: 3rd Trimester	13	4.6	3	1.6	0	0.0	42	13.3	29	6.9	5	3.7	5	3.0
Prenatal Care: None	2	0.7	0	0.0	0	0.0	4	1.3	13	3.1	2	1.5	1	0.6
Prenatal Care: Inadequate	54	19.1	16	8.7	6	14.6	106	34.2	102	24.5	20	14.7	23	14.0
Maternal Utilization: Medicaid	93	32.4	52	28.0	8	19.5	138	43.0	231	54.4	61	44.5	72	43.1
Maternal Utilization: WIC	131	46.6	48	25.8	17	41.5	135	42.1	234	55.3	63	46.0	78	45.6
Maternal Utilization: FSP	66	24.7	22	12.5	4	14.3	109	34.2	117	30.5	22	19.3	29	23.6
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Under 15	3	1.0	1	0.5	0	0.0	1	0.3	8	1.9	2	1.4	3	1.7
15-17	14	4.9	6	3.2	0	0.0	15	4.6	27	6.4	11	8.0	12	7.0
18-19	68	23.7	41	21.8	13	31.7	88	27.1	131	30.8	42	30.4	68	39.5
20-24	111	38.7	65	34.6	17	41.5	109	33.5	132	31.1	46	33.3	41	23.8
25-29	71	24.7	57	30.3	8	19.5	78	24.0	83	19.5	21	15.2	32	18.6
30-34	18	6.3	16	8.5	3	7.3	29	8.9	41	9.6	15	10.9	15	8.7
35-39	2	0.7	2	1.1	0	0.0	5	1.5	3	0.7	1	0.7	1	0.6
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Benton</u>		<u>Bollinger</u>		<u>Boone</u>		<u>Buchanan</u>		<u>Butler</u>		<u>Caldwell</u>		<u>Callaway</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	183	100.0	149	100.0	2,051	100.0	1,118	100.0	500	100.0	108	100.0	501	100.0
Birth Weight: Under 2500 Grams	17	9.3	11	7.4	183	8.9	94	8.4	61	12.2	8	7.4	33	6.6
Birth Weight: Above 4499 Grams	3	1.6	0	0.0	24	1.2	10	0.9	3	0.6	0	0.0	4	0.8
Gest. Age: Less than 37 Weeks	20	11.0	14	9.4	216	10.5	93	8.3	69	13.8	8	7.4	50	10.0
APGAR (5 Min.): Less than 8	11	6.1	8	5.4	133	6.5	24	2.1	20	4.0	6	5.6	27	5.4
Infant Care: NICU Admission	15	8.2	10	6.7	259	12.6	68	6.1	19	3.8	6	5.6	64	12.8
Infant Care: Transfer	4	2.2	1	0.7	11	0.5	16	1.4	24	4.8	1	0.9	3	0.6
Place of Birth: At-Home Delivery	7	3.8	0	0.0	24	1.2	8	0.7	4	0.8	6	5.6	8	1.6
Method of Delivery: Cesarean	54	29.7	48	32.2	705	34.4	279	25.0	128	25.6	23	21.5	169	33.7
Infant Care: Breastfed	124	75.6	98	66.2	1,721	88.1	770	70.7	280	56.1	82	78.8	398	83.3
Mat. Smoking: During Preg.	36	19.9	37	24.8	185	9.2	253	23.0	140	28.1	18	16.7	89	17.9
...Quit Smoking During Preg.	5	13.9	1	2.7	38	20.5	48	19.0	24	17.1	4	22.2	20	22.5
Mat. Wt.: Underweight	10	5.5	4	2.7	72	3.6	43	3.9	28	5.7	2	1.9	14	2.8
Mat. Wt.: Obese	56	30.6	48	32.2	517	25.9	375	33.7	175	35.4	33	31.4	159	32.1
Mat. Sing. Wt. Gain: Low	26	16.1	20	15.0	221	12.5	142	14.1	52	13.4	14	14.7	58	13.3
Mat. Sing. Wt. Gain: High	30	18.6	33	24.8	372	21.1	281	27.8	86	22.1	25	26.3	96	22.0
Mother's Education: Under 12 Yrs.	38	20.8	17	11.4	172	8.4	175	15.7	88	17.6	16	14.8	57	11.4
Marital Status: Out-of-Wedlock	83	45.4	62	41.6	649	31.6	588	52.6	295	59.0	43	39.8	210	41.9
Live Birth Order: 4 or More	18	9.8	22	14.8	222	10.8	157	14.0	59	11.8	14	13.0	61	12.2
Birth Spacing: Less than 18 Mos.	12	11.4	13	14.9	113	9.9	116	16.7	50	16.7	8	12.5	33	11.3
Prenatal Care: 1st Trimester	129	71.3	113	76.9	1,663	82.9	822	75.6	318	64.2	89	82.4	388	78.9
Prenatal Care: 2nd Trimester	37	20.4	31	21.1	278	13.9	190	17.5	142	28.7	18	16.7	82	16.7
Prenatal Care: 3rd Trimester	9	5.0	3	2.0	54	2.7	57	5.2	32	6.5	0	0.0	21	4.3
Prenatal Care: None	6	3.3	0	0.0	11	0.5	19	1.7	3	0.6	1	0.9	1	0.2
Prenatal Care: Inadequate	39	21.8	21	14.6	252	12.8	203	18.7	117	23.6	20	18.7	83	17.0
Maternal Utilization: Medicaid	92	51.4	76	52.1	615	30.0	559	50.2	333	66.7	42	39.6	182	36.3
Maternal Utilization: WIC	101	56.1	72	49.7	523	26.4	454	41.5	343	70.3	39	37.9	185	37.7
Maternal Utilization: FSP	57	35.4	47	33.1	377	19.4	333	32.1	195	42.6	19	19.2	129	26.4
Mother's Age: At Delivery	0	0.0	0	0.0	1	0.0	1	0.1	0	0.0	0	0.0	0	0.0
Under 15	6	3.3	5	3.4	26	1.3	17	1.5	22	4.4	1	0.9	9	1.8
15-17	14	7.7	5	3.4	47	2.3	60	5.4	39	7.8	7	6.5	27	5.4
18-19	56	30.6	44	29.5	336	16.4	338	30.2	161	32.2	35	32.4	104	20.8
20-24	61	33.3	48	32.2	654	31.9	362	32.4	155	31.0	42	38.9	177	35.3
25-29	24	13.1	30	20.1	661	32.2	249	22.3	86	17.2	18	16.7	128	25.5
30-34	19	10.4	17	11.4	271	13.2	81	7.2	27	5.4	5	4.6	43	8.6
35-39	3	1.6	0	0.0	55	2.7	10	0.9	10	2.0	0	0.0	13	2.6
40 and over														



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Camden</u>		<u>Cape Girardeau</u>		<u>Carroll</u>		<u>Carter</u>		<u>Cass</u>		<u>Cedar</u>		<u>Chariton</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	372	100.0	931	100.0	90	100.0	87	100.0	1,150	100.0	194	100.0	91	100.0
Birth Weight: Under 2500 Grams	29	7.8	99	10.6	5	5.6	5	5.7	84	7.3	12	6.3	6	6.6
Birth Weight: Above 4499 Grams	5	1.3	7	0.8	0	0.0	3	3.4	9	0.8	4	2.1	1	1.1
Gest. Age: Less than 37 Weeks	38	10.2	98	10.5	11	12.2	13	14.9	109	9.5	24	12.4	8	8.8
APGAR (5 Min.): Less than 8	26	7.0	63	6.8	5	5.6	6	6.9	44	3.8	8	4.3	4	4.4
Infant Care: NICU Admission	25	6.7	88	9.5	5	5.6	1	1.1	124	10.8	8	4.1	9	9.9
Infant Care: Transfer	7	1.9	10	1.1	2	2.2	3	3.4	10	0.9	2	1.0	0	0.0
Place of Birth: At-Home Delivery	3	0.8	4	0.4	8	8.9	0	0.0	13	1.1	32	16.5	8	8.8
Method of Delivery: Cesarean	118	31.7	261	28.1	22	24.7	19	21.8	322	28.0	52	27.5	27	29.7
Infant Care: Breastfed	290	80.1	682	75.3	62	72.1	61	70.1	971	86.3	159	88.3	74	85.1
Mat. Smoking: During Preg.	92	25.0	127	13.7	16	18.0	23	26.4	154	13.4	28	14.6	16	17.8
...Quit Smoking During Preg.	14	15.2	36	28.3	1	6.3	1	4.3	38	24.7	6	21.4	2	12.5
Mat. Wt.: Underweight	13	3.5	32	3.5	2	2.3	6	6.9	41	3.6	7	3.7	1	1.1
Mat. Wt.: Obese	107	28.8	258	27.8	29	33.0	23	26.4	339	29.8	48	25.1	24	27.0
Mat. Sing. Wt. Gain: Low	49	15.1	121	14.7	14	18.2	6	8.6	117	11.7	23	13.8	11	13.6
Mat. Sing. Wt. Gain: High	69	21.3	185	22.5	13	16.9	17	24.3	193	19.4	30	18.0	19	23.5
Mother's Education: Under 12 Yrs.	36	9.7	81	8.7	18	20.0	21	24.1	88	7.7	44	22.7	19	21.1
Marital Status: Out-of-Wedlock	157	42.2	363	39.0	39	43.3	43	49.4	403	35.0	57	29.4	34	37.4
Live Birth Order: 4 or More	49	13.2	123	13.2	15	16.7	14	16.1	133	11.6	50	25.8	18	19.8
Birth Spacing: Less than 18 Mos.	34	15.0	70	12.8	12	20.7	10	16.4	65	9.2	21	16.0	8	12.3
Prenatal Care: 1st Trimester	282	76.6	634	70.9	61	70.1	53	60.9	830	73.5	118	62.4	65	75.6
Prenatal Care: 2nd Trimester	66	17.9	206	23.0	21	24.1	26	29.9	239	21.2	52	27.5	15	17.4
Prenatal Care: 3rd Trimester	16	4.3	46	5.1	4	4.6	8	9.2	48	4.3	13	6.9	6	7.0
Prenatal Care: None	4	1.1	8	0.9	1	1.1	0	0.0	12	1.1	6	3.2	0	0.0
Prenatal Care: Inadequate	61	16.6	155	17.6	23	25.8	21	24.1	206	18.6	52	27.4	22	25.3
Maternal Utilization: Medicaid	178	47.8	353	38.3	40	44.9	55	63.2	348	30.6	76	40.0	35	38.9
Maternal Utilization: WIC	156	42.5	309	34.2	36	40.4	55	63.2	296	26.3	79	41.4	38	42.2
Maternal Utilization: FSP	105	29.3	230	26.4	29	33.0	37	45.7	164	21.1	41	22.5	20	23.3
Mother's Age: At Delivery	0	0.0	1	0.1	0	0.0	0	0.0	1	0.1	0	0.0	0	0.0
Under 15	3	0.8	12	1.3	1	1.1	0	0.0	17	1.5	3	1.5	2	2.2
15-17	16	4.3	38	4.1	6	6.7	10	11.5	34	3.0	15	7.7	3	3.3
18-19	97	26.1	198	21.3	28	31.1	30	34.5	238	20.7	54	27.8	28	30.8
20-24	118	31.8	315	33.9	27	30.0	28	32.2	428	37.2	55	28.4	29	31.9
25-29	102	27.5	265	28.5	20	22.2	12	13.8	294	25.6	41	21.1	20	22.0
30-34	30	8.1	86	9.2	5	5.6	6	6.9	113	9.8	17	8.8	6	6.6
35-39	5	1.3	15	1.6	3	3.3	1	1.1	25	2.2	9	4.6	3	3.3
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Christian</u>		<u>Clark</u>		<u>Clay</u>		<u>Clinton</u>		<u>Cole</u>		<u>Cooper</u>		<u>Crawford</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	1,045	100.0	78	100.0	3,121	100.0	223	100.0	923	100.0	215	100.0	265	100.0
Birth Weight: Under 2500 Grams	66	6.3	7	9.0	213	6.8	18	8.1	91	9.9	17	7.9	21	7.9
Birth Weight: Above 4499 Grams	20	1.9	1	1.3	31	1.0	3	1.3	14	1.5	4	1.9	3	1.1
Gest. Age: Less than 37 Weeks	86	8.2	9	11.5	297	9.5	23	10.3	100	10.8	23	10.7	25	9.5
APGAR (5 Min.): Less than 8	39	3.7	6	7.7	132	4.2	8	3.6	62	6.7	13	6.0	14	5.3
Infant Care: NICU Admission	90	8.6	6	7.7	281	9.0	15	6.7	90	9.8	24	11.2	19	7.2
Infant Care: Transfer	5	0.5	1	1.3	23	0.7	3	1.3	16	1.7	1	0.5	14	5.3
Place of Birth: At-Home Delivery	7	0.7	4	5.1	40	1.3	0	0.0	6	0.7	12	5.6	2	0.8
Method of Delivery: Cesarean	312	29.9	14	17.9	849	27.3	71	32.0	264	28.6	72	33.5	90	34.0
Infant Care: Breastfed	918	90.3	55	74.3	2,595	86.6	163	76.2	734	82.5	182	86.3	202	78.0
Mat. Smoking: During Preg.	109	10.5	18	23.1	299	9.6	51	23.1	162	17.7	31	14.8	74	27.9
...Quit Smoking During Preg.	34	31.2	2	11.1	81	27.1	8	15.7	48	29.6	8	25.8	12	16.2
Mat. Wt.: Underweight	40	3.9	4	5.1	101	3.3	5	2.3	28	3.1	9	4.2	12	4.5
Mat. Wt.: Obese	260	25.2	19	24.4	853	27.5	54	24.5	265	28.9	76	35.7	100	37.7
Mat. Sing. Wt. Gain: Low	90	9.8	14	20.3	377	13.6	17	8.7	123	15.3	25	13.5	42	18.0
Mat. Sing. Wt. Gain: High	235	25.5	12	17.4	581	21.0	42	21.4	154	19.1	31	16.8	50	21.5
Mother's Education: Under 12 Yrs.	66	6.3	8	10.3	181	5.8	21	9.5	84	9.1	31	14.5	43	16.3
Marital Status: Out-of-Wedlock	261	25.0	28	35.9	979	31.4	77	34.5	378	41.0	91	42.3	129	48.7
Live Birth Order: 4 or More	125	12.0	12	15.4	355	11.4	33	14.8	146	15.8	21	9.8	29	10.9
Birth Spacing: Less than 18 Mos.	58	8.8	4	7.5	187	10.2	8	5.6	62	11.2	12	9.8	16	10.1
Prenatal Care: 1st Trimester	798	77.0	61	80.3	2,241	73.5	174	79.8	670	73.8	166	78.3	193	74.2
Prenatal Care: 2nd Trimester	182	17.6	13	17.1	647	21.2	37	17.0	201	22.1	35	16.5	49	18.8
Prenatal Care: 3rd Trimester	38	3.7	2	2.6	134	4.4	6	2.8	28	3.1	10	4.7	14	5.4
Prenatal Care: None	19	1.8	0	0.0	29	1.0	1	0.5	9	1.0	1	0.5	4	1.5
Prenatal Care: Inadequate	163	15.9	11	14.5	531	17.6	25	11.7	167	18.6	35	16.6	55	21.4
Maternal Utilization: Medicaid	332	31.9	27	35.1	860	27.8	89	40.6	301	32.6	73	34.0	93	36.5
Maternal Utilization: WIC	306	29.5	34	44.2	652	21.1	70	31.5	311	34.1	77	36.7	114	43.2
Maternal Utilization: FSP	152	14.7	7	17.9	426	15.4	48	23.5	233	26.2	40	19.7	77	30.0
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Under 15	10	1.0	2	2.6	23	0.7	2	0.9	7	0.8	4	1.9	3	1.1
15-17	34	3.3	3	3.8	79	2.5	8	3.6	36	3.9	6	2.8	14	5.3
18-19	216	20.7	23	29.5	519	16.6	68	30.5	188	20.4	72	33.5	95	36.0
20-24	346	33.1	27	34.6	1,081	34.6	77	34.5	302	32.7	69	32.1	92	34.8
25-29	291	27.8	14	17.9	901	28.9	48	21.5	258	28.0	41	19.1	34	12.9
30-34	130	12.4	6	7.7	423	13.6	16	7.2	107	11.6	17	7.9	23	8.7
35-39	18	1.7	3	3.8	95	3.0	4	1.8	25	2.7	6	2.8	3	1.1
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Dade</u>		<u>Dallas</u>		<u>Davies</u>		<u>DeKalb</u>		<u>Dent</u>		<u>Douglas</u>		<u>Dunklin</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	75	100.0	239	100.0	129	100.0	102	100.0	186	100.0	162	100.0	389	100.0
Birth Weight: Under 2500 Grams	6	8.0	21	8.8	10	7.8	10	9.8	23	12.4	11	6.8	48	12.3
Birth Weight: Above 4499 Grams	0	0.0	3	1.3	0	0.0	1	1.0	2	1.1	2	1.2	1	0.3
Gest. Age: Less than 37 Weeks	5	6.7	22	9.2	8	6.3	11	10.8	23	12.4	19	11.7	56	14.4
APGAR (5 Min.): Less than 8	6	8.0	13	5.5	4	3.1	5	4.9	11	5.9	10	6.2	20	5.1
Infant Care: NICU Admission	6	8.0	11	4.6	5	3.9	13	12.7	17	9.1	19	11.7	26	6.7
Infant Care: Transfer	2	2.7	2	0.8	0	0.0	2	2.0	7	3.8	2	1.2	19	4.9
Place of Birth: At-Home Delivery	3	4.0	10	4.2	21	16.3	1	1.0	2	1.1	11	6.8	1	0.3
Method of Delivery: Cesarean	25	33.8	69	28.9	24	18.8	25	24.5	51	27.4	43	26.7	137	35.2
Infant Care: Breastfed	57	81.4	195	86.3	102	80.3	73	76.8	111	61.7	138	89.0	180	46.4
Mat. Smoking: During Preg.	18	24.0	45	19.0	24	18.6	19	18.6	58	31.4	27	16.8	88	22.6
...Quit Smoking During Preg.	9	50.0	5	11.1	3	12.5	6	31.6	8	13.8	6	22.2	12	13.6
Mat. Wt.: Underweight	1	1.4	12	5.0	4	3.5	5	4.9	12	6.5	15	9.4	14	3.6
Mat. Wt.: Obese	28	37.8	66	27.7	28	24.8	32	31.4	55	29.7	42	26.3	158	41.1
Mat. Sing. Wt. Gain: Low	10	14.9	37	17.5	17	16.3	8	8.9	23	14.4	19	13.9	78	25.2
Mat. Sing. Wt. Gain: High	13	19.4	28	13.2	21	20.2	24	26.7	31	19.4	30	21.9	64	20.7
Mother's Education: Under 12 Yrs.	8	10.7	61	25.6	45	34.9	13	12.7	35	18.8	18	11.1	98	25.3
Marital Status: Out-of-Wedlock	24	32.0	72	30.1	40	31.0	41	40.2	78	41.9	41	25.3	240	61.7
Live Birth Order: 4 or More	10	13.3	53	22.2	35	27.3	15	14.7	24	12.9	32	19.8	66	17.0
Birth Spacing: Less than 18 Mos.	6	12.5	28	17.1	14	16.3	3	4.5	19	16.5	14	13.6	43	17.0
Prenatal Care: 1st Trimester	51	68.9	166	69.7	75	59.5	78	81.3	124	69.3	95	60.1	232	60.6
Prenatal Care: 2nd Trimester	18	24.3	55	23.1	39	31.0	15	15.6	47	26.3	37	23.4	100	26.1
Prenatal Care: 3rd Trimester	4	5.4	12	5.0	9	7.1	3	3.1	6	3.4	18	11.4	44	11.5
Prenatal Care: None	1	1.4	5	2.1	3	2.4	0	0.0	2	1.1	8	5.1	7	1.8
Prenatal Care: Inadequate	17	23.0	53	22.5	47	37.6	10	10.3	36	20.5	45	28.7	121	31.6
Maternal Utilization: Medicaid	34	45.9	109	45.8	52	41.6	43	42.2	93	50.5	75	46.3	283	72.9
Maternal Utilization: WIC	31	41.3	103	43.5	42	32.8	28	28.0	104	56.5	83	51.2	245	65.2
Maternal Utilization: FSP	18	25.7	65	28.0	21	16.7	22	22.2	69	37.5	42	26.6	178	59.3
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.3
Under 15	2	2.7	3	1.3	2	1.6	0	0.0	2	1.1	3	1.9	17	4.4
15-17	3	4.0	11	4.6	4	3.1	5	4.9	11	5.9	4	2.5	40	10.3
18-19	25	33.3	78	32.6	40	31.0	35	34.3	65	34.9	54	33.3	121	31.1
20-24	22	29.3	81	33.9	43	33.3	35	34.3	58	31.2	59	36.4	134	34.4
25-29	14	18.7	47	19.7	24	18.6	23	22.5	31	16.7	31	19.1	50	12.9
30-34	8	10.7	17	7.1	12	9.3	4	3.9	18	9.7	10	6.2	24	6.2
35-39	1	1.3	2	0.8	4	3.1	0	0.0	1	0.5	1	0.6	2	0.5
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Franklin</u>		<u>Gasconade</u>		<u>Gentry</u>		<u>Greene</u>		<u>Grundy</u>		<u>Harrison</u>		<u>Henry</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	1,176	100.0	153	100.0	87	100.0	3,309	100.0	151	100.0	97	100.0	243	100.0
Birth Weight: Under 2500 Grams	97	8.3	13	8.5	5	5.7	235	7.1	17	11.3	8	8.2	20	8.2
Birth Weight: Above 4499 Grams	18	1.5	3	2.0	1	1.1	48	1.5	6	4.0	1	1.0	0	0.0
Gest. Age: Less than 37 Weeks	126	10.7	17	11.1	5	5.7	324	9.8	16	10.6	8	8.3	30	12.3
APGAR (5 Min.): Less than 8	72	6.2	6	3.9	2	2.6	145	4.4	14	9.3	4	4.6	12	4.9
Infant Care: NICU Admission	74	6.3	14	9.2	6	6.9	272	8.2	13	8.6	4	4.1	15	6.2
Infant Care: Transfer	21	1.8	4	2.6	3	3.4	13	0.4	1	0.7	2	2.1	3	1.2
Place of Birth: At-Home Delivery	7	0.6	1	0.7	9	10.3	33	1.0	34	22.5	9	9.3	4	1.6
Method of Delivery: Cesarean	343	29.2	47	30.7	22	25.3	945	28.6	36	24.3	30	30.9	77	31.7
Infant Care: Breastfed	899	77.8	122	80.8	72	82.8	2,784	86.7	124	84.9	70	73.7	162	72.6
Mat. Smoking: During Preg.	220	18.8	30	19.6	14	16.1	548	16.6	28	18.8	26	26.8	56	23.1
...Quit Smoking During Preg.	41	18.6	7	23.3	3	21.4	133	24.3	10	35.7	10	38.5	9	16.1
Mat. Wt.: Underweight	43	3.7	6	4.0	0	0.0	145	4.4	9	7.1	3	3.1	3	1.3
Mat. Wt.: Obese	386	33.2	52	34.4	22	25.3	947	28.9	41	32.3	31	32.3	74	30.8
Mat. Sing. Wt. Gain: Low	152	15.0	24	18.2	14	17.7	368	12.7	18	16.8	15	17.4	34	16.3
Mat. Sing. Wt. Gain: High	204	20.1	30	22.7	13	16.5	727	25.0	25	23.4	12	14.0	50	24.0
Mother's Education: Under 12 Yrs.	116	9.9	16	10.5	20	23.0	396	12.0	43	28.5	31	32.0	29	12.0
Marital Status: Out-of-Wedlock	445	37.8	61	39.9	26	29.9	1,308	39.5	55	36.4	35	36.1	114	46.9
Live Birth Order: 4 or More	164	14.0	19	12.4	17	19.5	448	13.6	38	25.2	21	21.9	36	14.8
Birth Spacing: Less than 18 Mos.	95	13.2	10	11.0	11	17.2	234	12.1	14	14.9	10	13.7	16	11.1
Prenatal Care: 1st Trimester	927	80.5	117	77.0	57	72.2	2,241	68.9	86	58.5	61	65.6	171	72.2
Prenatal Care: 2nd Trimester	189	16.4	30	19.7	17	21.5	622	19.1	49	33.3	24	25.8	53	22.4
Prenatal Care: 3rd Trimester	28	2.4	2	1.3	4	5.1	232	7.1	11	7.5	7	7.5	9	3.8
Prenatal Care: None	8	0.7	3	2.0	1	1.3	158	4.9	1	0.7	1	1.1	4	1.7
Prenatal Care: Inadequate	129	11.4	25	16.6	20	23.8	824	25.8	45	30.8	22	24.7	45	19.3
Maternal Utilization: Medicaid	366	31.6	47	30.9	33	37.9	1,497	45.3	58	39.2	40	42.6	124	53.0
Maternal Utilization: WIC	327	28.3	51	34.0	32	37.2	1,485	45.2	59	40.4	40	41.7	110	46.2
Maternal Utilization: FSP	235	20.5	28	18.7	16	19.5	900	27.6	38	27.3	23	25.0	69	30.9
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	1	0.0	0	0.0	0	0.0	0	0.0
Under 15	13	1.1	3	2.0	3	3.4	49	1.5	2	1.3	2	2.1	3	1.2
15-17	40	3.4	7	4.6	5	5.7	159	4.8	13	8.6	3	3.1	17	7.0
18-19	266	22.6	41	26.8	18	20.7	821	24.8	40	26.5	29	29.9	64	26.3
20-24	419	35.7	45	29.4	35	40.2	1,084	32.8	49	32.5	30	30.9	72	29.6
25-29	309	26.3	32	20.9	19	21.8	794	24.0	30	19.9	23	23.7	69	28.4
30-34	103	8.8	21	13.7	7	8.0	328	9.9	14	9.3	9	9.3	15	6.2
35-39	25	2.1	4	2.6	0	0.0	73	2.2	3	2.0	1	1.0	3	1.2
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Hickory</u>		<u>Holt</u>		<u>Howard</u>		<u>Howell</u>		<u>Iron</u>		<u>Jackson</u>		<u>Jasper</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	72	100.0	51	100.0	108	100.0	523	100.0	101	100.0	9,075	100.0	1,570	100.0
Birth Weight: Under 2500 Grams	5	6.9	5	9.8	10	9.3	36	6.9	12	12.0	861	9.5	117	7.5
Birth Weight: Above 4499 Grams	0	0.0	0	0.0	0	0.0	5	1.0	2	2.0	75	0.8	20	1.3
Gest. Age: Less than 37 Weeks	5	6.9	5	9.8	5	4.6	41	7.8	11	11.0	1,000	11.0	176	11.2
APGAR (5 Min.): Less than 8	2	2.9	2	3.9	5	4.6	20	3.8	5	5.0	419	4.6	62	4.0
Infant Care: NICU Admission	4	5.6	2	3.9	2	1.9	34	6.5	4	4.0	1,069	11.8	158	10.1
Infant Care: Transfer	3	4.2	0	0.0	1	0.9	18	3.4	7	6.9	95	1.0	5	0.3
Place of Birth: At-Home Delivery	5	6.9	3	5.9	1	0.9	6	1.1	1	1.0	140	1.5	15	1.0
Method of Delivery: Cesarean	26	37.7	17	33.3	41	38.0	138	26.4	32	31.7	2,363	26.0	514	32.7
Infant Care: Breastfed	50	75.8	41	80.4	88	82.2	395	77.0	55	55.0	6,812	77.1	1,247	80.3
Mat. Smoking: During Preg.	14	19.4	12	23.5	28	26.2	134	25.6	28	28.0	930	10.3	249	15.9
...Quit Smoking During Preg.	3	21.4	3	25.0	4	14.3	32	23.9	1	3.6	226	24.3	54	21.7
Mat. Wt.: Underweight	3	4.2	2	3.9	2	1.9	20	3.8	6	6.1	304	3.4	72	4.6
Mat. Wt.: Obese	20	27.8	15	29.4	32	29.9	174	33.5	24	24.2	2,611	29.4	475	30.4
Mat. Sing. Wt. Gain: Low	8	12.3	4	9.1	15	14.9	80	17.1	11	13.8	1,218	15.8	212	15.5
Mat. Sing. Wt. Gain: High	13	20.0	7	15.9	19	18.8	94	20.0	16	20.0	1,586	20.5	241	17.6
Mother's Education: Under 12 Yrs.	17	23.6	3	5.9	17	15.7	83	15.9	16	16.2	1,313	14.5	250	16.0
Marital Status: Out-of-Wedlock	25	34.7	14	27.5	48	44.4	229	43.8	53	52.5	4,480	49.4	701	44.6
Live Birth Order: 4 or More	10	13.9	9	17.6	13	12.0	89	17.0	9	9.1	1,376	15.2	219	14.0
Birth Spacing: Less than 18 Mos.	7	17.5	5	14.3	8	13.3	53	15.5	12	25.5	646	11.8	111	11.8
Prenatal Care: 1st Trimester	46	63.9	41	83.7	89	84.8	369	71.9	60	64.5	5,810	65.9	1,106	71.6
Prenatal Care: 2nd Trimester	13	18.1	6	12.2	13	12.4	116	22.6	27	29.0	2,206	25.0	362	23.4
Prenatal Care: 3rd Trimester	10	13.9	2	4.1	3	2.9	18	3.5	4	4.3	609	6.9	58	3.8
Prenatal Care: None	3	4.2	0	0.0	0	0.0	10	1.9	2	2.2	194	2.2	19	1.2
Prenatal Care: Inadequate	22	30.6	8	16.3	13	12.9	104	20.4	21	22.6	2,251	26.0	284	18.5
Maternal Utilization: Medicaid	34	47.9	16	31.4	39	36.1	318	60.8	64	67.4	4,140	46.3	722	46.1
Maternal Utilization: WIC	34	47.2	12	24.0	39	36.4	325	62.6	67	69.1	3,481	39.4	639	41.6
Maternal Utilization: FSP	13	19.1	10	20.8	25	23.6	205	41.0	46	47.9	2,414	33.2	441	29.6
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	1	0.2	0	0.0	5	0.1	2	0.1
Under 15	3	4.2	0	0.0	5	4.6	15	2.9	4	4.0	149	1.6	34	2.2
15-17	4	5.6	0	0.0	8	7.4	27	5.2	9	8.9	411	4.5	104	6.6
18-19	28	38.9	11	21.6	23	21.3	174	33.3	36	35.6	2,021	22.3	452	28.8
20-24	21	29.2	18	35.3	35	32.4	156	29.9	32	31.7	2,816	31.0	508	32.4
25-29	12	16.7	13	25.5	21	19.4	102	19.5	11	10.9	2,339	25.8	307	19.6
30-34	3	4.2	7	13.7	14	13.0	37	7.1	6	5.9	1,094	12.1	144	9.2
35-39	1	1.4	2	3.9	2	1.9	10	1.9	3	3.0	240	2.6	19	1.2
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Jefferson</u>		<u>Johnson</u>		<u>Knox</u>		<u>Laclede</u>		<u>Lafayette</u>		<u>Lawrence</u>		<u>Lewis</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	2,547	100.0	695	100.0	58	100.0	469	100.0	384	100.0	525	100.0	135	100.0
Birth Weight: Under 2500 Grams	222	8.7	34	4.9	2	3.4	37	7.9	30	7.8	38	7.2	15	11.1
Birth Weight: Above 4499 Grams	35	1.4	9	1.3	0	0.0	9	1.9	7	1.8	10	1.9	0	0.0
Gest. Age: Less than 37 Weeks	331	13.0	47	6.8	5	8.6	55	11.8	36	9.4	45	8.6	13	9.6
APGAR (5 Min.): Less than 8	127	5.0	25	3.6	5	8.6	25	5.4	22	5.7	25	4.8	9	6.7
Infant Care: NICU Admission	260	10.2	35	5.0	1	1.8	27	5.8	40	10.4	43	8.2	6	4.4
Infant Care: Transfer	34	1.3	6	0.9	1	1.7	12	2.6	6	1.6	7	1.3	3	2.2
Place of Birth: At-Home Delivery	16	0.6	10	1.4	7	12.1	2	0.4	3	0.8	23	4.4	10	7.4
Method of Delivery: Cesarean	925	36.8	177	25.5	15	25.9	120	25.6	112	29.2	132	25.1	48	35.8
Infant Care: Breastfed	1,895	76.2	523	76.1	45	81.8	335	73.3	289	75.9	406	79.0	109	82.6
Mat. Smoking: During Preg.	435	17.2	78	11.3	7	12.1	122	26.0	73	19.1	87	16.7	29	21.6
...Quit Smoking During Preg.	89	20.5	18	23.1	1	14.3	21	17.2	11	15.1	20	23.0	4	13.8
Mat. Wt.: Underweight	104	4.1	15	2.2	1	1.8	20	4.3	14	3.7	24	4.6	3	2.2
Mat. Wt.: Obese	789	31.2	198	28.6	16	28.6	142	30.4	123	32.3	168	32.3	59	43.7
Mat. Sing. Wt. Gain: Low	227	11.0	76	12.1	11	21.2	53	13.1	58	17.0	63	13.4	30	26.5
Mat. Sing. Wt. Gain: High	508	24.5	108	17.2	5	9.6	93	23.0	75	22.0	105	22.4	12	10.6
Mother's Education: Under 12 Yrs.	193	7.6	48	6.9	22	37.9	95	20.3	28	7.3	110	21.1	19	14.1
Marital Status: Out-of-Wedlock	1,028	40.4	184	26.5	20	34.5	203	43.3	151	39.3	185	35.2	42	31.1
Live Birth Order: 4 or More	299	11.9	75	10.8	19	32.8	84	17.9	40	10.4	97	18.5	18	13.3
Birth Spacing: Less than 18 Mos.	145	10.0	48	12.6	2	5.1	51	16.6	31	13.2	38	11.0	6	7.2
Prenatal Care: 1st Trimester	1,669	71.6	514	75.8	40	69.0	295	64.0	288	75.8	341	67.1	109	81.3
Prenatal Care: 2nd Trimester	532	22.8	129	19.0	13	22.4	127	27.5	71	18.7	123	24.2	15	11.2
Prenatal Care: 3rd Trimester	104	4.5	27	4.0	3	5.2	31	6.7	17	4.5	37	7.3	9	6.7
Prenatal Care: None	26	1.1	8	1.2	2	3.4	8	1.7	4	1.1	7	1.4	1	0.7
Prenatal Care: Inadequate	395	17.4	111	16.6	22	37.9	102	22.3	61	16.4	122	24.3	26	19.4
Maternal Utilization: Medicaid	757	31.1	174	25.1	9	15.8	290	62.2	149	38.9	234	44.7	39	29.1
Maternal Utilization: WIC	690	27.5	244	35.3	22	38.6	248	53.2	119	31.2	251	48.5	61	45.2
Maternal Utilization: FSP	507	20.7	96	14.5	10	18.9	164	35.7	71	19.4	126	24.7	10	16.1
Mother's Age: At Delivery	1	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Under 15	27	1.1	3	0.4	0	0.0	9	1.9	3	0.8	12	2.3	1	0.7
15-17	104	4.1	37	5.3	3	5.2	37	7.9	19	5.0	30	5.7	5	3.7
18-19	530	20.8	184	26.5	17	29.3	163	34.8	96	25.1	172	32.8	28	20.7
20-24	821	32.2	227	32.7	16	27.6	145	30.9	143	37.3	147	28.1	45	33.3
25-29	706	27.7	180	25.9	14	24.1	80	17.1	88	23.0	107	20.4	37	27.4
30-34	309	12.1	59	8.5	4	6.9	33	7.0	31	8.1	45	8.6	17	12.6
35-39	48	1.9	5	0.7	4	6.9	2	0.4	3	0.8	11	2.1	2	1.5
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Lincoln</u>		<u>Linn</u>		<u>Livingston</u>		<u>Macon</u>		<u>Madison</u>		<u>Maries</u>		<u>Marion</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	812	100.0	131	100.0	152	100.0	179	100.0	151	100.0	91	100.0	354	100.0
Birth Weight: Under 2500 Grams	78	9.6	12	9.2	18	11.9	20	11.2	10	6.6	4	4.4	28	7.9
Birth Weight: Above 4499 Grams	8	1.0	1	0.8	5	3.3	1	0.6	1	0.7	2	2.2	4	1.1
Gest. Age: Less than 37 Weeks	106	13.1	18	13.7	17	11.3	20	11.2	23	15.2	6	6.6	36	10.2
APGAR (5 Min.): Less than 8	40	4.9	12	9.2	10	6.7	15	8.4	6	4.0	2	2.2	8	2.3
Infant Care: NICU Admission	75	9.2	10	7.6	12	7.9	18	10.1	10	6.6	3	3.3	15	4.2
Infant Care: Transfer	22	2.7	4	3.1	2	1.3	4	2.2	4	2.6	1	1.1	7	2.0
Place of Birth: At-Home Delivery	3	0.4	5	3.8	1	0.7	17	9.5	1	0.7	4	4.4	2	0.6
Method of Delivery: Cesarean	234	28.8	42	33.1	42	29.0	64	35.8	63	41.7	25	27.5	123	34.9
Infant Care: Breastfed	626	78.4	98	79.7	107	74.3	147	85.5	99	66.4	75	83.3	265	76.6
Mat. Smoking: During Preg.	125	15.5	19	14.7	31	20.5	29	16.5	29	19.3	16	17.8	79	22.4
...Quit Smoking During Preg.	31	24.8	0	0.0	13	41.9	6	20.7	4	13.8	6	37.5	18	22.8
Mat. Wt.: Underweight	22	2.7	3	2.4	5	3.3	4	2.2	9	6.0	3	3.3	9	2.5
Mat. Wt.: Obese	245	30.3	37	29.4	45	30.0	59	33.1	60	40.0	30	33.0	127	35.9
Mat. Sing. Wt. Gain: Low	96	13.8	22	20.0	15	11.5	21	13.6	22	19.0	13	15.9	61	19.6
Mat. Sing. Wt. Gain: High	174	25.0	21	19.1	30	22.9	26	16.9	23	19.8	21	25.6	59	18.9
Mother's Education: Under 12 Yrs.	62	7.7	21	16.2	14	9.2	32	18.4	22	14.6	10	11.0	38	10.8
Marital Status: Out-of-Wedlock	286	35.2	53	40.5	68	44.7	52	29.1	60	39.7	37	40.7	164	46.3
Live Birth Order: 4 or More	109	13.4	19	14.6	17	11.4	26	14.6	17	11.3	8	8.8	39	11.0
Birth Spacing: Less than 18 Mos.	52	10.9	16	19.3	10	11.4	11	11.8	11	12.6	8	16.3	24	11.1
Prenatal Care: 1st Trimester	592	76.7	92	72.4	104	70.7	129	73.3	98	68.5	65	73.9	287	83.2
Prenatal Care: 2nd Trimester	145	18.8	28	22.0	35	23.8	30	17.0	39	27.3	15	17.0	48	13.9
Prenatal Care: 3rd Trimester	34	4.4	6	4.7	8	5.4	16	9.1	5	3.5	8	9.1	6	1.7
Prenatal Care: None	1	0.1	1	0.8	0	0.0	1	0.6	1	0.7	0	0.0	4	1.2
Prenatal Care: Inadequate	139	18.4	27	22.0	20	13.8	39	22.4	29	20.3	17	19.8	58	16.9
Maternal Utilization: Medicaid	224	27.9	54	42.2	59	39.9	45	25.1	92	62.6	29	31.9	156	44.2
Maternal Utilization: WIC	185	23.1	53	41.1	68	45.6	66	37.5	96	64.4	31	34.1	167	47.4
Maternal Utilization: FSP	134	17.1	36	27.9	32	22.5	31	18.5	44	32.1	18	20.0	101	35.9
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Under 15	8	1.0	2	1.5	3	2.0	1	0.6	2	1.3	0	0.0	4	1.1
15-17	29	3.6	3	2.3	10	6.6	13	7.3	8	5.3	8	8.8	20	5.7
18-19	169	20.8	46	35.1	57	37.5	46	25.7	44	29.1	29	31.9	98	27.8
20-24	333	41.0	46	35.1	38	25.0	51	28.5	57	37.7	29	31.9	124	35.1
25-29	207	25.5	28	21.4	32	21.1	48	26.8	24	15.9	14	15.4	71	20.1
30-34	54	6.7	4	3.1	10	6.6	18	10.1	14	9.3	7	7.7	28	7.9
35-39	12	1.5	2	1.5	2	1.3	2	1.1	2	1.3	4	4.4	8	2.3
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>McDonald</u>		<u>Mercer</u>		<u>Miller</u>		<u>Mississippi</u>		<u>Moniteau</u>		<u>Monroe</u>		<u>Montgomery</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	364	100.0	43	100.0	335	100.0	159	100.0	209	100.0	94	100.0	149	100.0
Birth Weight: Under 2500 Grams	20	5.5	3	7.0	34	10.1	16	10.1	12	5.7	10	10.6	12	8.1
Birth Weight: Above 4499 Grams	1	0.3	0	0.0	1	0.3	0	0.0	4	1.9	3	3.2	0	0.0
Gest. Age: Less than 37 Weeks	32	8.8	6	14.0	40	11.9	17	10.7	18	8.6	12	12.8	14	9.4
APGAR (5 Min.): Less than 8	12	3.3	2	4.7	23	6.9	11	6.9	11	5.3	6	6.4	10	6.8
Infant Care: NICU Admission	32	8.8	6	14.0	25	7.5	13	8.2	12	5.7	9	9.6	18	12.1
Infant Care: Transfer	3	0.8	0	0.0	7	2.1	2	1.3	5	2.4	1	1.1	6	4.0
Place of Birth: At-Home Delivery	9	2.5	9	20.9	0	0.0	0	0.0	9	4.3	10	10.6	3	2.0
Method of Delivery: Cesarean	124	34.1	9	22.0	97	29.0	52	32.9	49	23.4	26	27.7	43	28.9
Infant Care: Breastfed	289	80.1	36	90.0	248	76.3	90	58.8	171	84.2	81	89.0	111	76.0
Mat. Smoking: During Preg.	56	15.4	6	14.0	84	25.1	35	23.0	27	13.0	21	22.8	42	28.6
...Quit Smoking During Preg.	11	19.6	2	33.3	15	17.9	5	14.3	6	22.2	4	19.0	3	7.1
Mat. Wt.: Underweight	16	4.5	1	2.8	14	4.2	7	4.5	6	2.9	5	5.4	8	5.4
Mat. Wt.: Obese	113	31.5	8	22.2	110	32.8	60	38.5	63	30.1	25	26.9	55	37.2
Mat. Sing. Wt. Gain: Low	60	18.3	2	6.9	46	15.8	23	16.8	28	15.1	7	9.0	30	22.9
Mat. Sing. Wt. Gain: High	69	21.0	5	17.2	45	15.5	25	18.2	28	15.1	7	9.0	20	15.3
Mother's Education: Under 12 Yrs.	104	28.8	13	30.2	48	14.3	19	12.0	51	24.4	19	20.2	16	10.8
Marital Status: Out-of-Wedlock	168	46.2	8	18.6	149	44.5	87	54.7	61	29.2	36	38.3	56	37.6
Live Birth Order: 4 or More	71	19.5	9	20.9	47	14.0	26	16.4	35	16.7	15	16.0	19	12.8
Birth Spacing: Less than 18 Mos.	42	17.4	4	14.3	20	9.3	19	22.1	18	13.6	7	11.9	11	11.5
Prenatal Care: 1st Trimester	231	64.5	23	63.9	256	77.3	111	70.7	157	77.0	72	77.4	112	77.8
Prenatal Care: 2nd Trimester	84	23.5	8	22.2	66	19.9	31	19.7	36	17.6	12	12.9	23	16.0
Prenatal Care: 3rd Trimester	32	8.9	3	8.3	9	2.7	11	7.0	8	3.9	7	7.5	7	4.9
Prenatal Care: None	11	3.1	2	5.6	0	0.0	4	2.5	3	1.5	2	2.2	2	1.4
Prenatal Care: Inadequate	106	29.6	15	38.5	49	15.0	31	20.1	27	13.3	23	25.3	24	16.7
Maternal Utilization: Medicaid	188	51.9	11	27.5	169	50.4	92	58.2	47	22.5	39	41.9	66	44.9
Maternal Utilization: WIC	224	62.2	17	41.5	150	45.2	111	70.7	63	30.3	38	41.3	54	36.7
Maternal Utilization: FSP	76	26.8	4	11.1	91	28.3	62	42.5	28	13.7	17	20.7	40	27.6
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	1.1	0	0.0
Under 15	8	2.2	1	2.3	6	1.8	1	0.6	3	1.4	0	0.0	0	0.0
15-17	30	8.2	2	4.7	21	6.3	12	7.5	8	3.8	8	8.5	5	3.4
18-19	114	31.3	11	25.6	93	27.8	55	34.6	55	26.3	25	26.6	36	24.2
20-24	98	26.9	17	39.5	112	33.4	55	34.6	76	36.4	28	29.8	69	46.3
25-29	75	20.6	6	14.0	76	22.7	28	17.6	45	21.5	20	21.3	32	21.5
30-34	26	7.1	5	11.6	23	6.9	8	5.0	17	8.1	9	9.6	7	4.7
35-39	13	3.6	1	2.3	4	1.2	0	0.0	5	2.4	3	3.2	0	0.0
40 and over														



**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Morgan</u>		<u>New Madrid</u>		<u>Newton</u>		<u>Nodaway</u>		<u>Oregon</u>		<u>Osage</u>		<u>Ozark</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	267	100.0	193	100.0	735	100.0	205	100.0	129	100.0	143	100.0	79	100.0
Birth Weight: Under 2500 Grams	15	5.6	23	11.9	55	7.5	12	5.9	11	8.5	7	4.9	8	10.1
Birth Weight: Above 4499 Grams	4	1.5	1	0.5	10	1.4	4	2.0	2	1.6	4	2.8	5	6.3
Gest. Age: Less than 37 Weeks	12	4.5	20	10.5	71	9.7	20	9.8	8	6.2	10	7.0	10	12.7
APGAR (5 Min.): Less than 8	7	2.6	8	4.2	31	4.2	9	4.4	3	2.3	8	5.6	8	10.3
Infant Care: NICU Admission	12	4.5	16	8.3	81	11.0	13	6.3	4	3.1	7	4.9	10	12.7
Infant Care: Transfer	3	1.1	8	4.1	0	0.0	5	2.4	4	3.1	2	1.4	4	5.1
Place of Birth: At-Home Delivery	16	6.0	1	0.5	7	1.0	7	3.4	5	3.9	0	0.0	5	6.3
Method of Delivery: Cesarean	58	21.7	82	42.5	229	31.2	61	29.8	32	24.8	46	32.2	33	41.8
Infant Care: Breastfed	224	84.8	93	49.7	616	84.5	161	80.1	93	72.7	119	85.6	67	85.9
Mat. Smoking: During Preg.	48	18.0	45	23.8	113	15.5	24	11.7	31	24.2	26	18.3	21	26.6
...Quit Smoking During Preg.	10	20.8	5	11.1	23	20.4	2	8.3	6	19.4	6	23.1	1	4.8
Mat. Wt.: Underweight	8	3.0	7	3.7	27	3.7	6	2.9	6	4.7	4	2.8	5	6.5
Mat. Wt.: Obese	86	32.2	73	38.2	209	28.8	70	34.3	39	30.5	41	28.9	22	28.6
Mat. Sing. Wt. Gain: Low	44	17.4	31	18.8	91	14.1	32	17.6	15	12.8	16	12.4	9	13.4
Mat. Sing. Wt. Gain: High	34	13.4	30	18.2	136	21.1	28	15.4	21	17.9	23	17.8	19	28.4
Mother's Education: Under 12 Yrs.	109	40.8	26	13.5	104	14.2	12	5.9	20	15.5	11	7.7	9	11.4
Marital Status: Out-of-Wedlock	75	28.1	98	50.8	303	41.2	50	24.4	42	32.6	39	27.3	32	40.5
Live Birth Order: 4 or More	70	26.3	29	15.0	94	12.8	33	16.1	22	17.1	15	10.5	11	13.9
Birth Spacing: Less than 18 Mos.	24	12.6	21	15.7	63	14.4	8	5.8	8	8.2	7	7.4	6	11.5
Prenatal Care: 1st Trimester	166	63.1	120	64.2	500	69.3	166	83.4	89	69.5	118	83.7	47	61.0
Prenatal Care: 2nd Trimester	82	31.2	58	31.0	176	24.4	25	12.6	32	25.0	15	10.6	21	27.3
Prenatal Care: 3rd Trimester	13	4.9	8	4.3	32	4.4	7	3.5	6	4.7	7	5.0	6	7.8
Prenatal Care: None	2	0.8	1	0.5	13	1.8	1	0.5	1	0.8	1	0.7	3	3.9
Prenatal Care: Inadequate	54	20.8	51	27.3	150	20.9	26	13.1	27	21.1	19	13.7	28	36.4
Maternal Utilization: Medicaid	96	36.0	127	66.5	303	41.5	44	21.5	75	58.1	31	21.7	38	48.7
Maternal Utilization: WIC	101	38.3	130	68.4	299	41.4	49	24.1	84	65.1	35	24.6	39	50.0
Maternal Utilization: FSP	60	23.6	86	47.5	148	21.6	26	13.3	49	43.0	23	16.3	22	44.0
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Under 15	2	0.7	3	1.6	15	2.0	0	0.0	1	0.8	0	0.0	0	0.0
15-17	9	3.4	14	7.3	56	7.6	5	2.4	11	8.5	2	1.4	5	6.3
18-19	78	29.2	61	31.6	210	28.6	47	22.9	37	28.7	24	16.8	28	35.4
20-24	80	30.0	64	33.2	222	30.2	62	30.2	37	28.7	57	39.9	22	27.8
25-29	67	25.1	39	20.2	156	21.3	68	33.2	26	20.2	46	32.2	14	17.7
30-34	24	9.0	10	5.2	66	9.0	21	10.2	15	11.6	11	7.7	10	12.7
35-39	7	2.6	2	1.0	9	1.2	2	1.0	2	1.6	3	2.1	0	0.0
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Pemiscot</u>		<u>Perry</u>		<u>Pettis</u>		<u>Phelps</u>		<u>Pike</u>		<u>Platte</u>		<u>Polk</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	224	100.0	230	100.0	599	100.0	467	100.0	215	100.0	1,219	100.0	423	100.0
Birth Weight: Under 2500 Grams	22	9.8	15	6.5	44	7.4	35	7.5	25	11.6	91	7.5	26	6.1
Birth Weight: Above 4499 Grams	4	1.8	0	0.0	7	1.2	7	1.5	3	1.4	15	1.2	9	2.1
Gest. Age: Less than 37 Weeks	26	11.6	26	11.3	64	10.7	43	9.2	18	8.4	115	9.4	34	8.1
APGAR (5 Min.): Less than 8	8	3.6	9	3.9	30	5.0	26	5.6	13	6.1	52	4.3	17	4.1
Infant Care: NICU Admission	13	5.8	18	7.8	52	8.7	27	5.8	14	6.5	114	9.4	18	4.3
Infant Care: Transfer	5	2.2	7	3.0	11	1.8	10	2.1	9	4.2	9	0.7	4	0.9
Place of Birth: At-Home Delivery	0	0.0	1	0.4	17	2.8	11	2.4	5	2.3	16	1.3	11	2.6
Method of Delivery: Cesarean	86	38.4	85	37.0	213	35.6	138	29.6	43	20.1	357	29.3	130	31.3
Infant Care: Breastfed	84	37.7	186	81.9	426	74.6	351	77.1	165	78.2	1,067	90.2	310	84.5
Mat. Smoking: During Preg.	49	22.2	35	15.4	102	17.3	90	19.4	47	21.9	91	7.5	70	16.7
...Quit Smoking During Preg.	8	16.3	9	25.7	20	19.6	14	15.6	6	12.8	26	28.6	12	17.1
Mat. Wt.: Underweight	10	4.5	8	3.5	15	2.6	17	3.7	8	3.7	37	3.1	9	2.1
Mat. Wt.: Obese	85	38.3	65	28.4	176	30.0	147	31.6	62	28.8	284	23.5	129	30.5
Mat. Sing. Wt. Gain: Low	41	21.6	28	13.9	79	15.4	63	15.2	31	16.0	124	11.5	41	10.7
Mat. Sing. Wt. Gain: High	48	25.3	45	22.3	81	15.8	87	21.0	28	14.4	208	19.3	77	20.1
Mother's Education: Under 12 Yrs.	41	18.3	20	8.7	110	18.4	52	11.1	38	17.7	47	3.9	77	18.2
Marital Status: Out-of-Wedlock	160	71.4	86	37.4	244	40.7	165	35.3	84	39.1	324	26.6	156	36.9
Live Birth Order: 4 or More	41	18.3	29	12.6	111	18.5	59	12.7	31	14.4	118	9.7	69	16.3
Birth Spacing: Less than 18 Mos.	35	24.1	13	8.8	67	16.7	27	9.2	12	9.0	74	10.6	28	10.9
Prenatal Care: 1st Trimester	130	61.0	185	81.1	378	64.4	342	74.8	156	75.0	883	74.2	323	78.0
Prenatal Care: 2nd Trimester	51	23.9	32	14.0	174	29.6	87	19.0	39	18.8	239	20.1	63	15.2
Prenatal Care: 3rd Trimester	29	13.6	10	4.4	31	5.3	20	4.4	12	5.8	52	4.4	19	4.6
Prenatal Care: None	3	1.4	1	0.4	4	0.7	8	1.8	1	0.5	16	1.3	9	2.2
Prenatal Care: Inadequate	70	33.2	32	14.2	147	25.2	86	18.9	61	29.3	191	16.2	72	17.3
Maternal Utilization: Medicaid	182	81.3	67	29.1	303	50.7	197	42.4	77	36.2	265	21.9	195	47.2
Maternal Utilization: WIC	146	65.5	81	35.7	307	52.4	201	43.4	83	39.2	231	19.2	192	46.0
Maternal Utilization: FSP	77	60.2	36	16.2	199	35.2	129	28.0	58	28.7	128	13.1	112	27.3
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0
Under 15	2	0.9	1	0.4	10	1.7	5	1.1	3	1.4	5	0.4	11	2.6
15-17	16	7.1	10	4.3	42	7.0	21	4.5	8	3.7	27	2.2	24	5.7
18-19	99	44.2	67	29.1	163	27.3	115	24.6	60	27.9	182	14.9	138	32.6
20-24	57	25.4	75	32.6	192	32.1	163	34.9	76	35.3	357	29.3	143	33.8
25-29	38	17.0	53	23.0	128	21.4	98	21.0	50	23.3	411	33.7	72	17.0
30-34	10	4.5	18	7.8	48	8.0	53	11.3	15	7.0	200	16.4	27	6.4
35-39	2	0.9	6	2.6	15	2.5	12	2.6	3	1.4	37	3.0	8	1.9
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Pulaski</u>		<u>Putnam</u>		<u>Ralls</u>		<u>Randolph</u>		<u>Ray</u>		<u>Reynolds</u>		<u>Ripley</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	714	100.0	61	100.0	93	100.0	311	100.0	268	100.0	73	100.0	159	100.0
Birth Weight: Under 2500 Grams	55	7.7	4	6.6	8	8.6	26	8.4	16	6.0	10	13.7	12	7.5
Birth Weight: Above 4499 Grams	10	1.4	0	0.0	1	1.1	1	0.3	4	1.5	0	0.0	2	1.3
Gest. Age: Less than 37 Weeks	74	10.4	6	9.8	12	12.9	36	11.6	18	6.7	13	18.1	20	12.6
APGAR (5 Min.): Less than 8	48	6.8	9	14.8	2	2.2	17	5.5	9	3.4	2	2.7	2	1.3
Infant Care: NICU Admission	35	4.9	2	3.3	8	8.6	44	14.1	11	4.1	4	5.5	6	3.8
Infant Care: Transfer	19	2.7	0	0.0	3	3.2	4	1.3	3	1.1	1	1.4	12	7.5
Place of Birth: At-Home Delivery	5	0.7	3	4.9	0	0.0	9	2.9	3	1.1	1	1.4	1	0.6
Method of Delivery: Cesarean	153	21.5	15	24.6	31	33.3	85	27.3	63	23.8	22	30.1	48	30.2
Infant Care: Breastfed	598	85.7	54	93.1	70	78.7	241	81.7	192	75.6	44	62.0	95	59.7
Mat. Smoking: During Preg.	100	14.1	8	13.1	12	13.0	80	26.1	62	23.3	21	28.8	46	28.9
...Quit Smoking During Preg.	26	26.0	2	25.0	5	41.7	15	18.8	10	16.1	3	14.3	3	6.5
Mat. Wt.: Underweight	25	3.5	1	1.6	3	3.2	18	5.9	14	5.3	2	2.8	6	3.8
Mat. Wt.: Obese	197	27.7	19	31.1	27	29.0	96	31.4	79	29.7	29	40.3	47	29.6
Mat. Sing. Wt. Gain: Low	92	15.0	8	14.5	8	10.3	37	13.8	26	11.0	8	15.4	19	15.3
Mat. Sing. Wt. Gain: High	125	20.4	8	14.5	5	6.4	62	23.0	47	19.8	15	28.8	35	28.2
Mother's Education: Under 12 Yrs.	53	7.4	15	24.6	8	8.6	48	15.6	40	14.9	6	8.2	30	19.0
Marital Status: Out-of-Wedlock	188	26.3	21	34.4	28	30.1	155	49.8	107	39.9	35	47.9	68	42.8
Live Birth Order: 4 or More	80	11.4	13	21.3	10	10.9	41	13.2	29	10.8	12	16.7	22	13.8
Birth Spacing: Less than 18 Mos.	52	14.7	2	5.1	9	16.7	26	14.4	23	13.9	8	20.5	13	12.5
Prenatal Care: 1st Trimester	317	65.4	48	80.0	77	83.7	232	75.3	180	70.3	52	74.3	109	69.9
Prenatal Care: 2nd Trimester	125	25.8	10	16.7	11	12.0	52	16.9	62	24.2	13	18.6	40	25.6
Prenatal Care: 3rd Trimester	36	7.4	1	1.7	3	3.3	23	7.5	13	5.1	4	5.7	6	3.8
Prenatal Care: None	7	1.4	1	1.7	1	1.1	1	0.3	1	0.4	1	1.4	1	0.6
Prenatal Care: Inadequate	128	26.6	12	20.0	22	23.9	61	20.4	45	17.7	12	17.1	24	15.4
Maternal Utilization: Medicaid	194	27.3	12	20.3	28	30.4	154	49.8	102	38.2	49	68.1	105	66.0
Maternal Utilization: WIC	200	28.4	19	31.7	30	32.6	150	48.7	107	40.2	45	61.6	96	62.3
Maternal Utilization: FSP	137	19.5	8	16.7	17	20.0	97	32.2	56	22.3	26	36.6	60	41.4
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	1	0.3	0	0.0	0	0.0	0	0.0
Under 15	2	0.3	0	0.0	2	2.2	7	2.3	7	2.6	2	2.7	1	0.6
15-17	30	4.2	1	1.6	6	6.5	24	7.7	14	5.2	7	9.6	12	7.5
18-19	192	26.9	14	23.0	17	18.3	100	32.2	81	30.2	20	27.4	58	36.5
20-24	249	34.9	28	45.9	28	30.1	85	27.3	93	34.7	18	24.7	51	32.1
25-29	177	24.8	15	24.6	32	34.4	64	20.6	46	17.2	15	20.5	24	15.1
30-34	58	8.1	3	4.9	5	5.4	27	8.7	25	9.3	10	13.7	9	5.7
35-39	6	0.8	0	0.0	3	3.2	3	1.0	2	0.7	1	1.4	4	2.5
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Saline</u>		<u>Schuyler</u>		<u>Scotland</u>		<u>Scott</u>		<u>Shannon</u>		<u>Shelby</u>		<u>St. Charles</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	252	100.0	65	100.0	74	100.0	500	100.0	96	100.0	82	100.0	4,311	100.0
Birth Weight: Under 2500 Grams	17	6.7	4	6.2	3	4.1	48	9.6	8	8.3	9	11.0	301	7.0
Birth Weight: Above 4499 Grams	4	1.6	1	1.5	1	1.4	6	1.2	0	0.0	2	2.4	62	1.4
Gest. Age: Less than 37 Weeks	24	9.6	5	7.7	3	4.1	56	11.2	7	7.3	8	9.8	446	10.4
APGAR (5 Min.): Less than 8	20	8.0	7	10.9	2	2.7	25	5.0	2	2.1	5	6.1	181	4.2
Infant Care: NICU Admission	19	7.5	2	3.1	1	1.4	33	6.6	3	3.1	3	3.7	361	8.4
Infant Care: Transfer	6	2.4	4	6.2	2	2.7	10	2.0	4	4.2	2	2.4	64	1.5
Place of Birth: At-Home Delivery	3	1.2	13	20.0	22	29.7	0	0.0	2	2.1	3	3.7	21	0.5
Method of Delivery: Cesarean	88	34.9	12	18.8	16	21.6	186	37.5	33	34.7	29	35.4	1,449	33.6
Infant Care: Breastfed	188	80.3	56	90.3	58	89.2	292	60.0	64	66.7	65	81.3	3,635	85.9
Mat. Smoking: During Preg.	53	21.3	7	10.8	8	10.8	100	20.3	21	21.9	9	11.0	305	7.1
...Quit Smoking During Preg.	10	18.9	0	0.0	1	12.5	14	14.0	4	19.0	3	33.3	70	23.0
Mat. Wt.: Underweight	11	4.4	1	1.6	5	6.8	25	5.0	5	5.2	3	3.7	114	2.7
Mat. Wt.: Obese	77	30.8	24	39.3	8	10.8	189	37.8	33	34.4	27	32.9	1,037	24.3
Mat. Sing. Wt. Gain: Low	31	13.8	7	13.0	9	13.4	87	19.9	8	9.5	14	19.2	384	10.3
Mat. Sing. Wt. Gain: High	51	22.7	5	9.3	6	9.0	90	20.5	15	17.9	15	20.5	841	22.7
Mother's Education: Under 12 Yrs.	42	16.7	22	33.8	46	62.2	74	14.8	15	15.6	7	8.5	180	4.2
Marital Status: Out-of-Wedlock	126	50.0	13	20.0	11	14.9	286	57.2	42	43.8	26	31.7	1,050	24.4
Live Birth Order: 4 or More	34	13.5	16	24.6	19	25.7	70	14.0	9	9.4	15	18.3	383	8.9
Birth Spacing: Less than 18 Mos.	25	16.9	11	27.5	2	4.2	36	11.3	7	13.2	4	8.2	230	9.3
Prenatal Care: 1st Trimester	173	70.9	37	57.8	44	59.5	345	71.4	69	71.9	71	86.6	3,361	82.1
Prenatal Care: 2nd Trimester	57	23.4	19	29.7	25	33.8	111	23.0	18	18.8	9	11.0	612	15.0
Prenatal Care: 3rd Trimester	10	4.1	5	7.8	5	6.8	23	4.8	9	9.4	2	2.4	100	2.4
Prenatal Care: None	4	1.6	3	4.7	0	0.0	4	0.8	0	0.0	0	0.0	19	0.5
Prenatal Care: Inadequate	49	20.3	22	34.4	34	46.6	98	20.4	16	16.8	11	13.4	441	10.9
Maternal Utilization: Medicaid	109	43.3	8	12.5	15	20.5	289	58.3	53	55.8	34	41.5	659	15.5
Maternal Utilization: WIC	134	54.3	18	28.6	20	27.4	279	56.9	53	55.2	37	45.1	540	12.9
Maternal Utilization: FSP	72	30.0	9	17.0	6	8.6	213	44.7	33	37.1	13	17.6	363	8.7
Mother's Age: At Delivery	1	0.4	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	1	0.0
Under 15	4	1.6	0	0.0	1	1.4	17	3.4	2	2.1	0	0.0	27	0.6
15-17	19	7.5	4	6.2	0	0.0	36	7.2	7	7.3	6	7.3	69	1.6
18-19	69	27.4	26	40.0	26	35.1	145	29.0	36	37.5	25	30.5	466	10.8
20-24	87	34.5	21	32.3	26	35.1	175	35.0	29	30.2	28	34.1	1,305	30.3
25-29	45	17.9	4	6.2	12	16.2	89	17.8	17	17.7	15	18.3	1,654	38.4
30-34	24	9.5	9	13.8	7	9.5	35	7.0	4	4.2	8	9.8	672	15.6
35-39	3	1.2	1	1.5	2	2.7	2	0.4	1	1.0	0	0.0	116	2.7
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>St. Clair</u>		<u>St. Francois</u>		<u>St. Louis City</u>		<u>St. Louis County</u>		<u>Ste. Genevieve</u>		<u>Stoddard</u>		<u>Stone</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	98	100.0	701	100.0	4,137	100.0	11,359	100.0	222	100.0	349	100.0	266	100.0
Birth Weight: Under 2500 Grams	8	8.2	62	8.8	536	13.0	1,174	10.3	26	11.7	28	8.0	31	11.7
Birth Weight: Above 4499 Grams	1	1.0	9	1.3	34	0.8	121	1.1	2	0.9	6	1.7	2	0.8
Gest. Age: Less than 37 Weeks	10	10.2	81	11.6	512	12.4	1,362	12.0	28	12.6	41	11.8	39	14.7
APGAR (5 Min.): Less than 8	5	5.2	36	5.2	272	6.6	590	5.2	13	5.9	12	3.5	15	5.6
Infant Care: NICU Admission	5	5.1	61	8.7	429	10.4	1,084	9.5	24	10.8	24	6.9	26	9.8
Infant Care: Transfer	3	3.1	28	4.0	154	3.7	180	1.6	6	2.7	12	3.4	6	2.3
Place of Birth: At-Home Delivery	8	8.2	5	0.7	24	0.6	50	0.4	1	0.5	4	1.1	1	0.4
Method of Delivery: Cesarean	29	29.9	269	38.5	1,183	28.6	3,660	32.3	84	37.8	99	28.4	89	33.5
Infant Care: Breastfed	74	83.1	462	67.0	3,152	77.2	9,143	82.1	146	67.3	223	64.3	198	76.7
Mat. Smoking: During Preg.	14	14.4	175	25.5	419	10.2	724	6.4	45	20.5	82	23.6	72	27.1
...Quit Smoking During Preg.	0	0.0	31	17.7	97	23.2	210	29.0	7	15.6	13	15.9	17	23.6
Mat. Wt.: Underweight	3	3.1	22	3.2	139	3.4	372	3.3	6	2.7	15	4.3	17	6.4
Mat. Wt.: Obese	33	34.0	243	35.1	1,128	28.0	2,939	26.3	58	26.2	115	33.0	66	25.0
Mat. Sing. Wt. Gain: Low	10	11.8	108	18.5	578	17.2	1,173	12.4	24	13.0	45	15.2	42	19.0
Mat. Sing. Wt. Gain: High	7	8.2	120	20.5	688	20.5	1,979	20.9	26	14.1	66	22.2	52	23.5
Mother's Education: Under 12 Yrs.	15	15.3	98	14.1	607	14.8	820	7.3	19	8.6	54	15.5	48	18.0
Marital Status: Out-of-Wedlock	32	32.7	323	46.1	2,390	57.8	4,535	39.9	88	39.6	138	39.5	117	44.0
Live Birth Order: 4 or More	12	12.2	79	11.3	672	16.3	1,374	12.2	32	14.4	45	12.9	38	14.3
Birth Spacing: Less than 18 Mos.	8	13.6	56	15.3	308	14.2	716	11.1	23	18.0	40	18.1	20	11.2
Prenatal Care: 1st Trimester	72	75.0	450	67.1	2,013	60.9	7,118	71.6	162	75.0	252	73.0	174	66.4
Prenatal Care: 2nd Trimester	20	20.8	179	26.7	806	24.4	2,164	21.8	39	18.1	82	23.8	65	24.8
Prenatal Care: 3rd Trimester	4	4.2	34	5.1	340	10.3	485	4.9	14	6.5	8	2.3	19	7.3
Prenatal Care: None	0	0.0	8	1.2	149	4.5	176	1.8	1	0.5	3	0.9	4	1.5
Prenatal Care: Inadequate	14	14.9	135	20.4	1,166	35.1	1,923	19.6	33	15.6	57	16.8	71	27.3
Maternal Utilization: Medicaid	48	50.5	360	54.1	2,240	54.7	3,665	32.8	77	35.6	201	57.8	165	62.5
Maternal Utilization: WIC	49	51.0	363	52.2	1,803	45.2	2,989	27.3	84	37.8	168	48.7	154	57.9
Maternal Utilization: FSP	20	21.7	234	34.6	1,667	42.8	2,701	25.0	50	22.8	116	35.4	88	33.8
Mother's Age: At Delivery	0	0.0	0	0.0	5	0.1	4	0.0	0	0.0	1	0.3	0	0.0
Under 15	1	1.0	21	3.0	54	1.3	109	1.0	3	1.4	11	3.2	9	3.4
15-17	8	8.2	31	4.4	165	4.0	336	3.0	11	5.0	22	6.3	11	4.1
18-19	32	32.7	231	33.0	808	19.5	1,710	15.1	47	21.2	122	35.0	84	31.6
20-24	36	36.7	238	34.0	1,232	29.8	3,213	28.3	82	36.9	102	29.2	82	30.8
25-29	14	14.3	111	15.8	1,169	28.3	3,759	33.1	57	25.7	68	19.5	55	20.7
30-34	6	6.1	59	8.4	593	14.3	1,877	16.5	21	9.5	14	4.0	24	9.0
35-39	1	1.0	10	1.4	109	2.6	349	3.1	1	0.5	9	2.6	1	0.4
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Sullivan</u>		<u>Taney</u>		<u>Texas</u>		<u>Vernon</u>		<u>Warren</u>		<u>Washington</u>		<u>Wayne</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	98	100.0	655	100.0	264	100.0	256	100.0	430	100.0	274	100.0	115	100.0
Birth Weight: Under 2500 Grams	12	12.2	59	9.0	23	8.7	18	7.1	25	5.8	23	8.4	7	6.1
Birth Weight: Above 4499 Grams	2	2.0	6	0.9	5	1.9	0	0.0	6	1.4	5	1.8	0	0.0
Gest. Age: Less than 37 Weeks	21	21.4	72	11.0	23	8.8	25	9.8	44	10.3	36	13.2	8	7.0
APGAR (5 Min.): Less than 8	19	19.4	39	6.0	17	6.5	13	5.1	17	4.0	15	5.5	3	2.6
Infant Care: NICU Admission	9	9.2	49	7.5	21	8.0	10	3.9	33	7.7	17	6.2	3	2.6
Infant Care: Transfer	4	4.1	17	2.6	8	3.0	6	2.3	8	1.9	10	3.6	5	4.3
Place of Birth: At-Home Delivery	0	0.0	8	1.2	10	3.8	16	6.3	2	0.5	0	0.0	3	2.6
Method of Delivery: Cesarean	31	31.6	177	27.0	88	33.6	69	27.1	123	28.6	102	37.6	33	28.7
Infant Care: Breastfed	77	85.6	517	81.2	198	80.2	192	77.4	333	77.8	152	56.5	74	64.3
Mat. Smoking: During Preg.	19	19.8	152	23.3	58	22.1	52	20.3	70	16.4	67	24.9	33	28.9
...Quit Smoking During Preg.	4	21.1	36	23.7	13	22.4	15	28.8	14	20.0	9	13.4	6	18.2
Mat. Wt.: Underweight	4	4.2	24	3.7	7	2.7	6	2.4	16	3.7	9	3.3	4	3.5
Mat. Wt.: Obese	24	25.3	183	28.0	82	31.2	73	28.7	143	33.5	100	37.2	37	32.7
Mat. Sing. Wt. Gain: Low	14	18.2	69	12.1	33	14.5	33	14.7	58	15.3	52	23.0	17	17.3
Mat. Sing. Wt. Gain: High	14	18.2	152	26.6	45	19.7	49	21.9	76	20.1	46	20.4	15	15.3
Mother's Education: Under 12 Yrs.	24	24.5	101	15.4	38	14.4	49	19.1	43	10.0	48	17.6	21	18.4
Marital Status: Out-of-Wedlock	41	41.8	294	44.9	98	37.1	106	41.4	170	39.5	135	49.3	52	45.2
Live Birth Order: 4 or More	18	18.4	91	13.9	44	16.7	46	18.0	56	13.0	38	14.0	19	16.5
Birth Spacing: Less than 18 Mos.	9	14.5	51	12.3	16	10.6	15	9.6	37	14.7	28	16.0	11	14.7
Prenatal Care: 1st Trimester	69	71.9	439	67.6	184	73.3	179	71.3	312	76.8	161	60.5	78	68.4
Prenatal Care: 2nd Trimester	21	21.9	155	23.9	45	17.9	53	21.1	81	20.0	77	28.9	31	27.2
Prenatal Care: 3rd Trimester	5	5.2	36	5.5	16	6.4	16	6.4	10	2.5	21	7.9	3	2.6
Prenatal Care: None	1	1.0	19	2.9	6	2.4	3	1.2	3	0.7	7	2.6	2	1.8
Prenatal Care: Inadequate	27	27.8	146	22.6	46	20.0	57	23.0	72	17.8	84	32.2	33	28.7
Maternal Utilization: Medicaid	35	35.7	427	65.5	151	57.6	115	45.5	154	36.2	166	62.2	70	61.4
Maternal Utilization: WIC	54	55.7	385	59.0	152	57.8	125	49.2	138	32.5	173	64.3	80	70.8
Maternal Utilization: FSP	26	28.3	194	30.6	74	29.4	61	32.1	102	24.5	124	46.8	52	47.3
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	1	0.4	0	0.0
Under 15	1	1.0	7	1.1	3	1.1	2	0.8	6	1.4	5	1.8	6	5.2
15-17	8	8.2	39	6.0	18	6.8	17	6.7	17	4.0	14	5.1	2	1.7
18-19	32	32.7	205	31.3	83	31.4	81	31.8	100	23.3	93	33.9	45	39.1
20-24	29	29.6	212	32.4	82	31.1	79	31.0	166	38.6	93	33.9	30	26.1
25-29	22	22.4	116	17.7	56	21.2	52	20.4	95	22.1	47	17.2	19	16.5
30-34	3	3.1	62	9.5	18	6.8	22	8.6	37	8.6	18	6.6	11	9.6
35-39	3	3.1	14	2.1	4	1.5	2	0.8	9	2.1	3	1.1	2	1.7
40 and over														

**Table 10C. Resident Live Births by Selected Characteristics by County: Missouri, 2018**

	<u>Webster</u>		<u>Worth</u>		<u>Wright</u>	
	Number	Percent	Number	Percent	Number	Percent
Live Births	608	100.0	27	100.0	230	100.0
Birth Weight: Under 2500 Grams	37	6.1	1	3.7	16	7.0
Birth Weight: Above 4499 Grams	11	1.8	0	0.0	2	0.9
Gest. Age: Less than 37 Weeks	45	7.4	1	3.7	26	11.4
APGAR (5 Min.): Less than 8	28	5.7	2	7.4	10	4.7
Infant Care: NICU Admission	32	5.3	1	3.7	12	5.2
Infant Care: Transfer	4	0.7	0	0.0	2	0.9
Place of Birth: At-Home Delivery	119	19.6	0	0.0	13	5.7
Method of Delivery: Cesarean	115	19.2	9	33.3	50	21.7
Infant Care: Breastfed	543	90.8	24	88.9	186	82.3
Mat. Smoking: During Preg.	69	11.4	5	18.5	40	17.5
...Quit Smoking During Preg.	14	20.3	0	0.0	8	20.0
Mat. Wt.: Underweight	23	3.8	1	3.7	10	4.5
Mat. Wt.: Obese	188	31.2	8	29.6	60	26.9
Mat. Sing. Wt. Gain: Low	73	13.2	0	0.0	30	15.4
Mat. Sing. Wt. Gain: High	95	17.2	7	29.2	40	20.5
Mother's Education: Under 12 Yrs.	220	36.3	0	0.0	63	27.4
Marital Status: Out-of-Wedlock	144	23.7	8	29.6	80	34.8
Live Birth Order: 4 or More	170	28.0	3	11.1	51	22.2
Birth Spacing: Less than 18 Mos.	89	21.9	3	17.6	28	18.7
Prenatal Care: 1st Trimester	313	52.5	23	85.2	122	54.7
Prenatal Care: 2nd Trimester	184	30.9	2	7.4	62	27.8
Prenatal Care: 3rd Trimester	69	11.6	2	7.4	20	9.0
Prenatal Care: None	30	5.0	0	0.0	19	8.5
Prenatal Care: Inadequate	240	40.7	2	7.4	77	35.3
Maternal Utilization: Medicaid	197	32.6	8	29.6	121	52.8
Maternal Utilization: WIC	195	32.3	9	34.6	120	52.4
Maternal Utilization: FSP	106	17.7	4	16.0	70	31.3
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0
Under 15	8	1.3	0	0.0	5	2.2
15-17	40	6.6	1	3.7	18	7.8
18-19	173	28.5	7	25.9	72	31.3
20-24	209	34.4	13	48.1	66	28.7
25-29	122	20.1	6	22.2	43	18.7
30-34	38	6.3	0	0.0	22	9.6
35-39	18	3.0	0	0.0	4	1.7
40 and over						

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2018**

	<u>Ballwin</u>		<u>Blue Springs</u>		<u>Cape Girardeau</u>		<u>Chesterfield</u>		<u>Columbia</u>		<u>Florissant</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	298	100.0	676	100.0	480	100.0	361	100.0	1,328	100.0	683	100.0
Birth Weight: Under 2500 Grams	21	7.0	52	7.7	59	12.3	30	8.3	121	9.1	71	10.4
Birth Weight: Above 4499 Grams	6	2.0	12	1.8	3	0.6	2	0.6	8	0.6	9	1.3
Gest. Age: Less than 37 Weeks	24	8.1	70	10.4	51	10.6	53	14.7	130	9.8	89	13.0
APGAR (5 Min.): Less than 8	19	6.4	33	4.9	38	7.9	16	4.5	92	7.0	42	6.2
Infant Care: NICU Admission	19	6.4	70	10.4	53	11.0	33	9.1	158	11.9	73	10.7
Infant Care: Transfer	1	0.3	7	1.0	5	1.0	2	0.6	6	0.5	10	1.5
Place of Birth: At-Home Delivery	0	0.0	8	1.2	2	0.4	0	0.0	14	1.1	3	0.4
Method of Delivery: Cesarean	83	27.9	164	24.3	137	28.7	115	31.9	442	33.3	229	33.6
Infant Care: Breastfed	263	91.3	591	88.5	320	69.0	321	91.2	1,120	88.3	509	76.1
Mat. Smoking: During Preg.	7	2.4	60	8.9	87	18.2	2	0.6	105	8.1	62	9.2
...Quit Smoking During Preg.	0	0.0	20	33.3	23	26.4	0	0.0	20	19.0	16	25.8
Mat. Wt.: Underweight	11	3.7	21	3.1	21	4.4	15	4.2	49	3.8	23	3.4
Mat. Wt.: Obese	48	16.3	181	26.9	128	26.9	60	16.8	309	24.2	252	37.3
Mat. Sing. Wt. Gain: Low	15	5.7	66	11.2	63	14.8	26	8.8	145	12.7	82	14.6
Mat. Sing. Wt. Gain: High	49	18.8	133	22.5	104	24.4	68	22.9	239	20.9	124	22.0
Mother's Education: Under 12 Yrs.	8	2.7	35	5.2	58	12.1	9	2.5	124	9.4	52	7.6
Marital Status: Out-of-Wedlock	40	13.4	219	32.4	242	50.4	40	11.1	439	33.1	389	57.0
Live Birth Order: 4 or More	20	6.8	74	11.0	72	15.0	27	7.5	138	10.4	99	14.6
Birth Spacing: Less than 18 Mos.	9	5.6	29	6.9	44	16.4	12	5.7	71	9.9	49	12.5
Prenatal Care: 1st Trimester	217	77.8	526	80.2	290	63.3	275	81.4	1,076	83.0	419	68.9
Prenatal Care: 2nd Trimester	53	19.0	104	15.9	131	28.6	57	16.9	178	13.7	141	23.2
Prenatal Care: 3rd Trimester	8	2.9	21	3.2	31	6.8	5	1.5	35	2.7	37	6.1
Prenatal Care: None	1	0.4	5	0.8	6	1.3	1	0.3	8	0.6	11	1.8
Prenatal Care: Inadequate	35	12.5	83	12.9	107	23.7	30	8.9	177	14.0	129	21.4
Maternal Utilization: Medicaid	24	8.1	172	25.7	235	49.6	22	6.2	397	29.9	291	43.1
Maternal Utilization: WIC	23	8.1	153	23.1	200	43.2	18	5.2	346	27.2	258	39.1
Maternal Utilization: FSP	17	6.0	80	13.1	159	36.2	13	3.8	265	21.2	222	34.5
Mother's Age: At Delivery	0	0.0	0	0.0	1	0.2	0	0.0	0	0.0	0	0.0
15-17	1	0.3	12	1.8	9	1.9	2	0.6	21	1.6	6	0.9
18-19	2	0.7	10	1.5	24	5.0	3	0.8	27	2.0	23	3.4
20-24	21	7.0	117	17.3	114	23.8	10	2.8	207	15.6	148	21.7
25-29	86	28.9	224	33.1	157	32.7	78	21.6	411	30.9	220	32.2
30-34	120	40.3	202	29.9	124	25.8	154	42.7	444	33.4	185	27.1
35-39	56	18.8	91	13.5	44	9.2	92	25.5	184	13.9	85	12.4
40 and over	12	4.0	20	3.0	7	1.5	22	6.1	34	2.6	16	2.3



**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2018**

	<u>Gladstone</u>		<u>Hazelwood</u>		<u>Independence</u>		<u>Jefferson City</u>		<u>Joplin - Total</u>		<u>Joplin - Jasper County</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	345	100.0	333	100.0	1,472	100.0	543	100.0	660	100.0	598	100.0
Birth Weight: Under 2500 Grams	34	9.9	35	10.5	152	10.3	67	12.3	61	9.2	55	9.2
Birth Weight: Above 4499 Grams	4	1.2	3	0.9	12	0.8	2	0.4	7	1.1	6	1.0
Gest. Age: Less than 37 Weeks	38	11.0	42	12.6	191	13.0	69	12.7	78	11.8	72	12.0
APGAR (5 Min.): Less than 8	23	6.7	16	4.8	79	5.4	34	6.3	24	3.6	23	3.9
Infant Care: NICU Admission	52	15.1	29	8.7	186	12.6	57	10.5	72	10.9	64	10.7
Infant Care: Transfer	1	0.3	7	2.1	15	1.0	10	1.8	0	0.0	0	0.0
Place of Birth: At-Home Delivery	7	2.0	1	0.3	16	1.1	4	0.7	6	0.9	6	1.0
Method of Delivery: Cesarean	102	29.6	111	33.4	368	25.0	151	27.8	226	34.2	201	33.6
Infant Care: Breastfed	275	82.8	259	79.7	1,112	77.3	421	80.5	523	80.5	468	79.6
Mat. Smoking: During Preg.	44	12.9	30	9.1	262	17.8	118	21.9	126	19.2	115	19.4
...Quit Smoking During Preg.	11	25.0	6	20.0	49	18.7	33	28.0	27	21.4	24	20.9
Mat. Wt.: Underweight	10	2.9	12	3.7	47	3.2	17	3.2	29	4.4	26	4.4
Mat. Wt.: Obese	118	34.2	103	31.7	490	33.8	155	28.8	197	30.0	184	30.9
Mat. Sing. Wt. Gain: Low	55	18.3	48	17.3	201	16.1	73	15.8	85	14.9	81	15.8
Mat. Sing. Wt. Gain: High	62	20.7	61	21.9	277	22.2	76	16.5	115	20.2	100	19.5
Mother's Education: Under 12 Yrs.	25	7.2	29	8.8	259	17.6	58	10.7	89	13.5	84	14.1
Marital Status: Out-of-Wedlock	148	42.9	192	57.7	825	56.0	261	48.1	318	48.2	293	49.0
Live Birth Order: 4 or More	44	12.8	54	16.4	223	15.2	88	16.2	79	12.0	72	12.0
Birth Spacing: Less than 18 Mos.	19	10.2	21	11.2	126	14.2	44	14.1	54	14.3	46	13.2
Prenatal Care: 1st Trimester	216	63.9	188	65.5	926	65.1	378	71.2	479	73.5	432	73.0
Prenatal Care: 2nd Trimester	103	30.5	79	27.5	364	25.6	125	23.5	137	21.0	130	22.0
Prenatal Care: 3rd Trimester	16	4.7	17	5.9	94	6.6	20	3.8	23	3.5	18	3.0
Prenatal Care: None	3	0.9	3	1.0	39	2.7	8	1.5	13	2.0	12	2.0
Prenatal Care: Inadequate	82	24.8	66	23.5	373	26.4	118	22.5	116	17.8	106	17.9
Maternal Utilization: Medicaid	125	37.2	143	43.9	769	53.1	215	39.7	310	47.3	295	49.5
Maternal Utilization: WIC	85	24.9	132	40.6	664	46.1	212	39.7	263	40.8	249	42.8
Maternal Utilization: FSP	63	20.1	111	35.1	432	32.8	178	34.1	213	34.1	205	36.3
Mother's Age: At Delivery	0	0.0	0	0.0	1	0.1	0	0.0	1	0.2	1	0.2
15-17	4	1.2	4	1.2	36	2.4	3	0.6	8	1.2	7	1.2
18-19	10	2.9	10	3.0	100	6.8	25	4.6	38	5.8	36	6.0
20-24	63	18.3	76	22.8	391	26.6	127	23.4	190	28.8	172	28.8
25-29	131	38.0	100	30.0	477	32.4	166	30.6	224	33.9	214	35.8
30-34	77	22.3	89	26.7	309	21.0	144	26.5	156	23.6	130	21.7
35-39	45	13.0	43	12.9	120	8.2	65	12.0	37	5.6	32	5.4
40 and over	15	4.3	11	3.3	38	2.6	13	2.4	6	0.9	6	1.0

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2018**

	Joplin - Newton County		Kansas City - Total		Kansas City - Jackson County		Kansas City - Clay County		Kansas City - Platte County		Kansas City - Cass County	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	62	100.0	6,971	100.0	4,477	100.0	1,837	100.0	657	100.0	0	0.0
Birth Weight: Under 2500 Grams	6	9.7	632	9.1	470	10.5	114	6.2	48	7.3	0	0.0
Birth Weight: Above 4499 Grams	1	1.6	50	0.7	26	0.6	16	0.9	8	1.2	0	0.0
Gest. Age: Less than 37 Weeks	6	9.7	740	10.6	499	11.2	171	9.3	70	10.7	0	0.0
APGAR (5 Min.): Less than 8	1	1.6	314	4.5	209	4.7	70	3.8	35	5.3	0	0.0
Infant Care: NICU Admission	8	12.9	755	10.8	545	12.2	150	8.2	60	9.1	0	0.0
Infant Care: Transfer	0	0.0	67	1.0	50	1.1	11	0.6	6	0.9	0	0.0
Place of Birth: At-Home Delivery	0	0.0	104	1.5	77	1.7	20	1.1	7	1.1	0	0.0
Method of Delivery: Cesarean	25	40.3	1,884	27.0	1,174	26.2	516	28.1	194	29.5	0	0.0
Infant Care: Breastfed	55	88.7	5,178	76.8	3,053	70.4	1,553	87.5	572	90.4	0	0.0
Mat. Smoking: During Preg.	11	17.7	594	8.6	412	9.3	143	7.8	39	6.0	0	0.0
...Quit Smoking During Preg.	3	27.3	152	25.6	108	26.2	32	22.4	12	30.8	0	0.0
Mat. Wt.: Underweight	3	4.8	224	3.3	156	3.6	54	3.0	14	2.1	0	0.0
Mat. Wt.: Obese	13	21.0	1,904	28.0	1,278	29.5	471	25.9	155	23.8	0	0.0
Mat. Sing. Wt. Gain: Low	4	7.1	982	16.4	695	18.3	211	12.9	76	13.3	0	0.0
Mat. Sing. Wt. Gain: High	15	26.8	1,185	19.7	739	19.4	342	21.0	104	18.2	0	0.0
Mother's Education: Under 12 Yrs.	5	8.1	966	13.9	847	19.1	95	5.2	24	3.7	0	0.0
Marital Status: Out-of-Wedlock	25	40.3	3,320	47.6	2,588	57.8	538	29.3	194	29.5	0	0.0
Live Birth Order: 4 or More	7	11.3	1,083	15.6	798	17.9	215	11.7	70	10.7	0	0.0
Birth Spacing: Less than 18 Mos.	8	27.6	498	12.0	350	13.1	112	10.3	36	9.7	0	0.0
Prenatal Care: 1st Trimester	47	78.3	4,341	64.1	2,553	58.8	1,329	74.2	459	71.5	0	0.0
Prenatal Care: 2nd Trimester	7	11.7	1,794	26.5	1,285	29.6	366	20.4	143	22.3	0	0.0
Prenatal Care: 3rd Trimester	5	8.3	485	7.2	379	8.7	79	4.4	27	4.2	0	0.0
Prenatal Care: None	1	1.7	154	2.3	123	2.8	18	1.0	13	2.0	0	0.0
Prenatal Care: Inadequate	10	16.9	1,811	27.1	1,407	32.9	294	16.6	110	17.4	0	0.0
Maternal Utilization: Medicaid	15	25.0	3,140	45.7	2,487	56.5	494	27.1	159	24.4	0	0.0
Maternal Utilization: WIC	14	22.6	2,566	37.7	2,056	47.3	378	20.8	132	20.5	0	0.0
Maternal Utilization: FSP	8	13.1	1,880	34.1	1,558	46.0	251	15.7	71	13.2	0	0.0
Mother's Age: At Delivery	0	0.0	3	0.0	3	0.1	0	0.0	0	0.0	0	0.0
15-17	1	1.6	90	1.3	77	1.7	10	0.5	3	0.5	0	0.0
18-19	2	3.2	279	4.0	229	5.1	35	1.9	15	2.3	0	0.0
20-24	18	29.0	1,468	21.1	1,095	24.5	284	15.5	89	13.5	0	0.0
25-29	10	16.1	2,132	30.6	1,312	29.3	617	33.6	203	30.9	0	0.0
30-34	26	41.9	1,906	27.3	1,101	24.6	573	31.2	232	35.3	0	0.0
35-39	5	8.1	900	12.9	542	12.1	259	14.1	99	15.1	0	0.0
40 and over	0	0.0	193	2.8	118	2.6	59	3.2	16	2.4	0	0.0

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2018**

	<u>Kirkwood</u>		<u>Lee's Summit</u>		<u>Liberty</u>		<u>Maryland Heights</u>		<u>O'Fallon</u>		<u>Raytown</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	304	100.0	1,071	100.0	311	100.0	374	100.0	971	100.0	334	100.0
Birth Weight: Under 2500 Grams	22	7.3	68	6.3	22	7.1	38	10.2	68	7.0	35	10.5
Birth Weight: Above 4499 Grams	6	2.0	11	1.0	2	0.6	3	0.8	15	1.5	5	1.5
Gest. Age: Less than 37 Weeks	27	8.9	96	9.0	28	9.0	44	11.8	98	10.1	43	12.9
APGAR (5 Min.): Less than 8	10	3.3	38	3.6	18	5.8	18	4.9	47	4.9	23	6.9
Infant Care: NICU Admission	28	9.2	124	11.6	27	8.7	36	9.6	78	8.0	48	14.4
Infant Care: Transfer	4	1.3	9	0.8	4	1.3	3	0.8	12	1.2	5	1.5
Place of Birth: At-Home Delivery	1	0.3	7	0.7	8	2.6	1	0.3	3	0.3	3	0.9
Method of Delivery: Cesarean	91	30.1	308	28.8	86	27.8	145	38.8	343	35.4	103	30.8
Infant Care: Breastfed	270	90.0	943	89.9	266	89.6	331	90.9	807	84.5	252	78.5
Mat. Smoking: During Preg.	2	0.7	41	3.8	30	9.7	9	2.4	71	7.4	32	9.7
...Quit Smoking During Preg.	0	0.0	16	39.0	10	33.3	5	55.6	14	19.7	6	18.8
Mat. Wt.: Underweight	10	3.3	27	2.5	11	3.5	9	2.4	18	1.9	10	3.0
Mat. Wt.: Obese	38	12.7	233	21.9	82	26.5	88	23.9	235	24.5	108	32.9
Mat. Sing. Wt. Gain: Low	16	6.1	96	10.6	31	11.2	44	13.8	95	11.3	35	12.4
Mat. Sing. Wt. Gain: High	41	15.5	189	20.9	63	22.7	65	20.4	185	22.0	49	17.4
Mother's Education: Under 12 Yrs.	1	0.3	37	3.5	19	6.1	19	5.1	42	4.3	32	9.6
Marital Status: Out-of-Wedlock	42	13.8	240	22.4	91	29.3	111	29.7	210	21.6	167	50.0
Live Birth Order: 4 or More	24	7.9	92	8.6	28	9.0	12	3.2	93	9.6	53	15.9
Birth Spacing: Less than 18 Mos.	16	8.8	45	7.2	21	11.4	9	5.1	59	10.2	28	13.8
Prenatal Care: 1st Trimester	235	83.6	836	80.2	237	77.5	253	73.8	757	82.4	223	67.6
Prenatal Care: 2nd Trimester	36	12.8	159	15.3	53	17.3	74	21.6	138	15.0	87	26.4
Prenatal Care: 3rd Trimester	9	3.2	38	3.6	15	4.9	11	3.2	21	2.3	16	4.8
Prenatal Care: None	1	0.4	9	0.9	1	0.3	5	1.5	3	0.3	4	1.2
Prenatal Care: Inadequate	24	8.6	126	12.7	51	16.8	50	14.9	99	11.0	70	21.7
Maternal Utilization: Medicaid	24	8.0	185	17.5	66	21.4	68	18.6	152	15.9	145	43.7
Maternal Utilization: WIC	21	7.1	156	15.0	56	18.4	58	16.8	115	12.3	134	41.4
Maternal Utilization: FSP	16	5.4	86	10.2	35	12.3	41	11.9	84	9.0	79	30.9
Mother's Age: At Delivery	0	0.0	0	0.0	0	0.0	0	0.0	1	0.1	0	0.0
15-17	0	0.0	5	0.5	1	0.3	0	0.0	5	0.5	5	1.5
18-19	4	1.3	17	1.6	10	3.2	13	3.5	9	0.9	14	4.2
20-24	19	6.3	132	12.3	54	17.4	53	14.2	102	10.5	71	21.3
25-29	55	18.1	339	31.7	122	39.2	112	29.9	273	28.1	100	29.9
30-34	140	46.1	388	36.2	85	27.3	130	34.8	385	39.7	96	28.7
35-39	73	24.0	162	15.1	32	10.3	57	15.2	177	18.2	40	12.0
40 and over	13	4.3	28	2.6	7	2.3	9	2.4	18	1.9	8	2.4

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2018**

	<u>St. Charles</u>		<u>St. Joseph</u>		<u>St. Louis City</u>		<u>St. Peters</u>		<u>Springfield</u>		<u>University City</u>	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Live Births	718	100.0	985	100.0	4,137	100.0	608	100.0	1,914	100.0	423	100.0
Birth Weight: Under 2500 Grams	48	6.7	80	8.1	536	13.0	42	6.9	143	7.5	25	5.9
Birth Weight: Above 4499 Grams	2	0.3	9	0.9	34	0.8	13	2.1	35	1.8	2	0.5
Gest. Age: Less than 37 Weeks	61	8.5	78	7.9	512	12.4	59	9.7	204	10.7	34	8.0
APGAR (5 Min.): Less than 8	30	4.2	19	1.9	272	6.6	25	4.1	91	4.8	19	4.5
Infant Care: NICU Admission	61	8.5	59	6.0	429	10.4	54	8.9	168	8.8	34	8.0
Infant Care: Transfer	8	1.1	13	1.3	154	3.7	15	2.5	8	0.4	7	1.7
Place of Birth: At-Home Delivery	5	0.7	8	0.8	24	0.6	3	0.5	15	0.8	0	0.0
Method of Delivery: Cesarean	246	34.3	240	24.4	1,183	28.6	200	32.9	561	29.3	134	31.8
Infant Care: Breastfed	618	87.4	671	69.8	3,152	77.2	532	89.1	1,572	84.5	358	86.5
Mat. Smoking: During Preg.	55	7.8	227	23.4	419	10.2	37	6.1	418	21.9	13	3.1
...Quit Smoking During Preg.	19	34.5	42	18.5	97	23.2	8	21.6	101	24.2	6	46.2
Mat. Wt.: Underweight	25	3.5	36	3.7	139	3.4	20	3.3	82	4.3	9	2.2
Mat. Wt.: Obese	157	22.1	338	34.4	1,128	28.0	158	26.2	588	31.1	80	19.3
Mat. Sing. Wt. Gain: Low	73	11.5	134	15.0	578	17.2	48	9.1	242	14.6	31	8.4
Mat. Sing. Wt. Gain: High	139	21.8	247	27.7	688	20.5	134	25.4	417	25.1	81	22.0
Mother's Education: Under 12 Yrs.	47	6.6	162	16.5	607	14.8	16	2.6	308	16.1	21	5.0
Marital Status: Out-of-Wedlock	235	32.7	539	54.7	2,390	57.8	141	23.2	937	49.0	129	30.5
Live Birth Order: 4 or More	55	7.7	140	14.2	672	16.3	43	7.1	284	14.9	37	8.8
Birth Spacing: Less than 18 Mos.	29	8.1	105	17.2	308	14.2	25	7.6	165	14.9	23	10.8
Prenatal Care: 1st Trimester	537	78.7	719	75.1	2,013	60.9	475	81.2	1,189	63.3	269	73.3
Prenatal Care: 2nd Trimester	124	18.2	166	17.3	806	24.4	98	16.8	410	21.8	75	20.4
Prenatal Care: 3rd Trimester	18	2.6	55	5.7	340	10.3	9	1.5	166	8.8	19	5.2
Prenatal Care: None	3	0.4	18	1.9	149	4.5	3	0.5	112	6.0	4	1.1
Prenatal Care: Inadequate	83	12.3	189	19.8	1,166	35.1	53	9.1	581	31.8	70	19.3
Maternal Utilization: Medicaid	158	22.2	502	51.2	2,240	54.7	75	12.4	1,080	56.5	111	26.5
Maternal Utilization: WIC	136	19.6	417	43.3	1,803	45.2	60	10.1	1,050	55.4	88	21.7
Maternal Utilization: FSP	91	13.2	306	33.4	1,667	42.8	32	5.4	684	36.3	79	20.1
Mother's Age: At Delivery	0	0.0	1	0.1	5	0.1	0	0.0	1	0.1	0	0.0
15-17	5	0.7	17	1.7	54	1.3	2	0.3	33	1.7	6	1.4
18-19	12	1.7	57	5.8	165	4.0	17	2.8	114	6.0	12	2.8
20-24	109	15.2	306	31.1	808	19.5	59	9.7	560	29.3	51	12.1
25-29	231	32.2	322	32.7	1,232	29.8	189	31.1	618	32.3	109	25.8
30-34	254	35.4	204	20.7	1,169	28.3	231	38.0	389	20.3	151	35.7
35-39	83	11.6	69	7.0	593	14.3	91	15.0	158	8.3	75	17.7
40 and over	24	3.3	9	0.9	109	2.6	19	3.1	41	2.1	19	4.5

**Table 10D. Resident Live Births by Selected Characteristics by Cities with More than 25,000 Population: Missouri, 2018**

		Wentzville		Wildwood	
		Number	Percent	Number	Percent
	Live Births	593	100.0	224	100.0
	Birth Weight: Under 2500 Grams	38	6.4	13	5.8
	Birth Weight: Above 4499 Grams	9	1.5	5	2.2
	Gest. Age: Less than 37 Weeks	68	11.5	17	7.6
	APGAR (5 Min.): Less than 8	22	3.7	6	2.7
	Infant Care: NICU Admission	40	6.7	10	4.5
	Infant Care: Transfer	6	1.0	0	0.0
	Place of Birth: At-Home Delivery	1	0.2	2	0.9
	Method of Delivery: Cesarean	194	32.7	70	31.3
	Infant Care: Breastfed	484	83.3	197	90.0
	Mat. Smoking: During Preg.	30	5.1	6	2.7
	...Quit Smoking During Preg.	11	36.7	2	33.3
	Mat. Wt.: Underweight	17	2.9	4	1.8
	Mat. Wt.: Obese	151	25.6	27	12.2
	Mat. Sing. Wt. Gain: Low	51	10.2	9	4.5
	Mat. Sing. Wt. Gain: High	106	21.2	39	19.3
	Mother's Education: Under 12 Yrs.	15	2.5	5	2.2
	Marital Status: Out-of-Wedlock	132	22.3	25	11.2
	Live Birth Order: 4 or More	73	12.3	30	13.4
	Birth Spacing: Less than 18 Mos.	39	10.6	10	6.4
	Prenatal Care: 1st Trimester	492	87.7	179	82.1
	Prenatal Care: 2nd Trimester	57	10.2	31	14.2
	Prenatal Care: 3rd Trimester	10	1.8	5	2.3
	Prenatal Care: None	2	0.4	3	1.4
	Prenatal Care: Inadequate	54	9.7	18	8.3
	Maternal Utilization: Medicaid	82	14.0	11	5.0
	Maternal Utilization: WIC	72	12.3	9	4.1
	Maternal Utilization: FSP	50	8.7	7	3.2
	Mother's Age: At Delivery	0	0.0	0	0.0
	15-17	1	0.2	1	0.4
	18-19	11	1.9	1	0.4
	20-24	61	10.3	14	6.3
	25-29	182	30.7	37	16.5
	30-34	226	38.1	94	42.0
	35-39	92	15.5	64	28.6
	40 and over	20	3.4	13	5.8

**Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2018**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
State Total	4,747	1,205	3,542	586	186	400
Adair	19	3	16	2	0	2
Andrew	10	3	7	3	2	1
Atchison	0	0	0	0	0	0
Audrain	16	1	15	0	0	0
Barry	37	9	28	2	1	1
Barton	13	2	11	0	0	0
Bates	15	3	12	0	0	0
Benton	20	6	14	0	0	0
Bollinger	10	5	5	0	0	0
Boone	92	32	60	18	5	13
Buchanan	87	19	68	9	1	8
Butler	62	23	39	1	1	0
Caldwell	8	1	7	0	0	0
Callaway	38	10	28	2	1	1
Camden	22	3	19	1	0	1
Cape Girardeau	57	14	43	5	1	4
Carroll	9	1	8	2	0	2
Carter	10	0	10	0	0	0
Cass	64	19	45	12	1	11
Cedar	19	3	16	1	0	1
Chariton	5	2	3	0	0	0
Christian	50	12	38	6	2	4
Clark	6	2	4	1	0	1
Clay	138	34	104	34	11	23
Clinton	13	4	9	3	2	1
Cole	47	8	39	4	1	3
Cooper	11	4	7	1	0	1
Crawford	18	3	15	1	0	1
Dade	5	2	3	0	0	0
Dallas	15	3	12	1	0	1

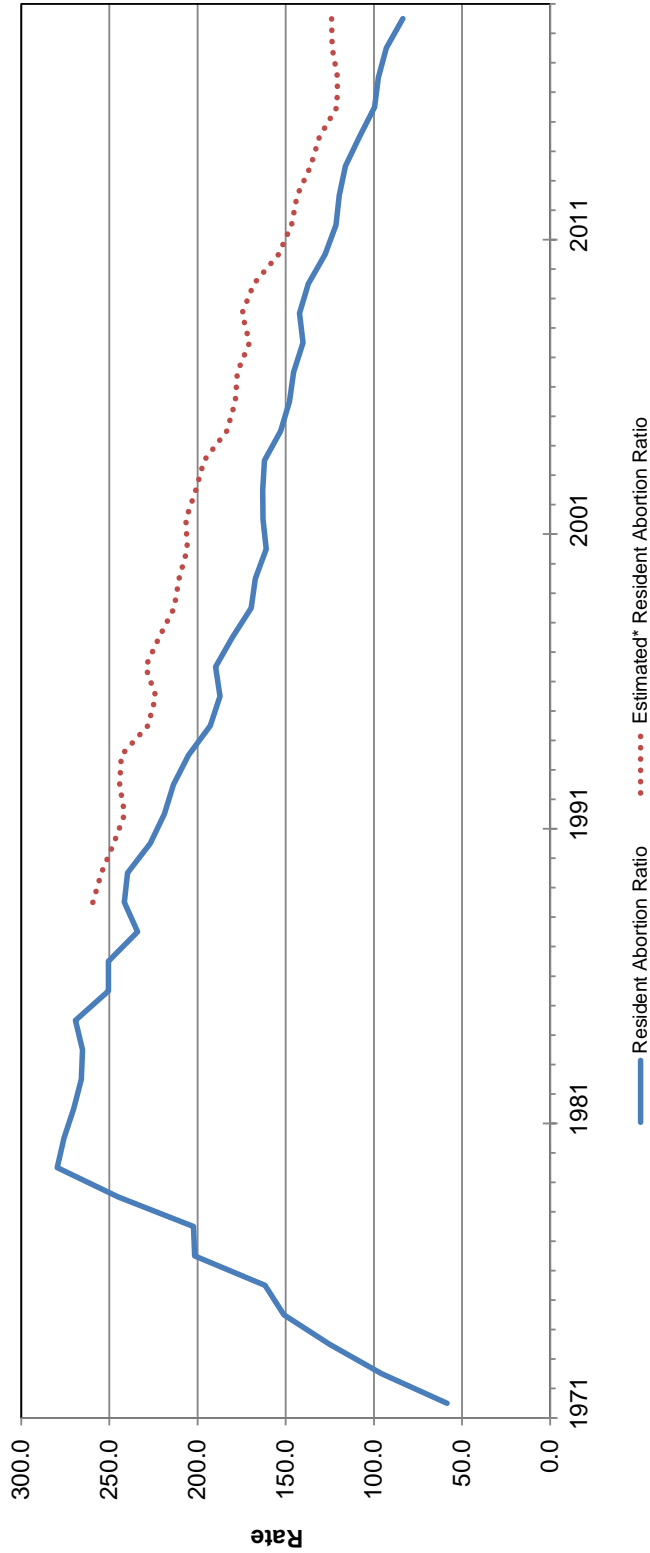
	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Daviness	6	2	4	0	0	0
Dekalb	5	0	5	0	0	0
Dent	13	2	11	0	0	0
Douglas	7	3	4	0	0	0
Dunklin	59	19	40	1	1	0
Franklin	63	14	49	9	1	8
Gasconade	11	3	8	1	0	1
Gentry	9	3	6	0	0	0
Greene	234	59	175	25	9	16
Grundy	15	2	13	0	0	0
Harrison	5	2	3	0	0	0
Henry	20	3	17	0	0	0
Hickory	10	4	6	3	1	2
Holt	0	0	0	0	0	0
Howard	13	5	8	0	0	0
Howell	46	17	29	3	1	2
Iron	14	5	9	1	1	0
Jackson	698	204	494	132	50	82
Jasper	147	39	108	6	3	3
Jefferson	144	31	113	11	2	9
Johnson	48	4	44	8	1	7
Knox	3	0	3	0	0	0
Laclede	48	10	38	2	1	1
Lafayette	25	4	21	3	1	2
Lawrence	44	12	32	2	0	2
Lewis	6	1	5	0	0	0
Lincoln	40	8	32	2	0	2
Linn	5	2	3	0	0	0
Livingston	16	3	13	3	0	3
Macon	14	1	13	0	0	0
Madison	10	2	8	0	0	0

**Table 11. Resident Teen-Age Pregnancies and Abortions by Selected Ages by County of Residence: Missouri, 2018**

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Maries	8	0	8	0	0	0
Marion	25	4	21	1	0	1
McDonald	38	8	30	0	0	0
Mercer	3	1	2	0	0	0
Miller	28	7	21	0	0	0
Mississippi	14	1	13	1	0	1
Moniteau	13	4	9	2	1	1
Monroe	9	1	8	0	0	0
Montgomery	6	1	5	1	1	0
Morgan	13	3	10	1	0	1
New Madrid	18	3	15	0	0	0
Newton	74	15	59	3	0	3
Nodaway	7	0	7	2	0	2
Oregon	12	1	11	0	0	0
Osage	2	0	2	0	0	0
Ozark	5	0	5	0	0	0
Pemiscot	21	3	18	3	1	2
Perry	11	1	10	0	0	0
Pettis	56	11	45	4	1	3
Phelps	30	6	24	4	1	3
Pike	12	4	8	1	1	0
Platte	43	10	33	11	5	6
Polk	36	11	25	1	0	1
Pulaski	36	3	33	4	1	3
Putnam	1	0	1	0	0	0
Ralls	8	2	6	0	0	0
Randolph	34	8	26	2	0	2
Ray	24	8	16	3	1	2
Reynolds	9	2	7	0	0	0
Ripley	13	1	12	0	0	0
Saline	26	6	20	2	1	1

	Total Pregnancies			Abortions		
	Under 20	Under 18	18-19	Under 20	Under 18	18-19
Schuyler	4	0	4	0	0	0
Scotland	1	1	0	0	0	0
Scott	56	18	38	2	0	2
Shannon	10	2	8	0	0	0
Shelby	7	0	7	1	0	1
St. Charles	117	36	81	19	8	11
St. Clair	9	1	8	0	0	0
St. Francois	55	22	33	3	1	2
St. Louis City	276	73	203	50	12	38
St. Louis County	572	157	415	120	43	77
Ste. Genevieve	15	3	12	1	0	1
Stoddard	35	12	23	1	0	1
Stone	20	9	11	0	0	0
Sullivan	9	1	8	0	0	0
Taney	52	10	42	6	3	3
Texas	21	3	18	0	0	0
Vernon	21	2	19	2	0	2
Warren	23	6	17	0	0	0
Washington	23	6	17	2	0	2
Wayne	9	7	2	1	1	0
Webster	49	8	41	1	0	1
Worth	1	0	1	0	0	0
Wright	24	5	19	1	0	1

Graph D. Resident Abortion Ratios per 1,000 Live Births: Missouri, 1971 -2018



Source: 1971-1974 Centers for Disease Control; 1975-2018 Missouri Department of Health & Senior Services.

Graph D Abortion Definitions:

Recorded: Abortions performed in a facility located in Missouri.

Resident: Abortions to Missouri residents regardless of where the abortions occurred as indicated on the individual record level data reports.

\*Estimated Resident: Resident Abortions as defined above plus estimated Missouri resident counts from Illinois for 1998-2018 and Tennessee in 1997-2005 and Arkansas 2014-2017. See Appendix under Vital Records for more information.



**Table 12A. Resident Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2018**

	Total	Weeks of Gestation									21 and Over	Unknown
		Under 9	9-10	11-12	13-14	15-16	17-19	20				
State Total	6,125	3,500	1,075	654	330	227	222	60	56	1		
Patient's Race												
White, Non-Hispanic	3,031	1,874	476	303	132	89	102	24	31	0		
Black, Non-Hispanic	2,346	1,123	501	295	165	108	99	32	23	0		
Other, Non-Hispanic	483	316	58	35	27	26	16	2	2	1		
Unknown, Non-Hispanic	11	4	2	3	0	0	1	1	0	0		
Hispanic, Any Race	254	183	38	18	6	4	4	1	0	0		
Patient's Age												
Under 15	20	10	3	2	3	1	1	0	0	0		
15	33	13	9	5	4	1	0	1	0	0		
16	42	17	6	10	4	2	2	1	0	0		
17	91	42	18	13	11	3	3	1	0	0		
18	163	86	32	17	9	10	6	2	1	0		
19	237	131	52	26	7	12	5	0	3	1		
20-24	1,826	1,058	314	195	97	70	70	13	9	0		
25-29	1,812	1,046	319	184	99	62	69	18	15	0		
30-34	1,091	604	206	119	46	51	35	16	14	0		
35-39	618	368	96	71	35	9	23	5	11	0		
40 and Over	191	125	20	12	14	6	8	3	3	0		
Unknown	1	0	0	0	1	0	0	0	0	0		
Type of Procedure												
Curettage	2,887	1,302	760	641	165	10	8	1	0	0		
Intrauterine Instillation	1	0	0	0	0	0	0	0	1	0		
Hysterotomy/Hysterectomy	1	0	0	0	0	0	1	0	0	0		
Laminaria D & E	704	7	2	8	163	214	206	54	50	0		
Medical/Nonsurgical	2,529	2,191	313	5	2	3	5	4	5	1		
Unknown	1	0	0	0	0	0	1	0	0	0		
Other	2	0	0	0	0	0	1	1	0	0		

**Table 12B. Recorded Abortions by Race, Age, and Type of Procedure by Weeks of Gestation: Missouri, 2018**

	Total	Weeks of Gestation							
		Under 9	9-10	11-12	13-14	15-16	17-19	20	21 and Over
<b>State Total</b>	2,910	1,210	610	446	215	167	154	51	57
<b>Patient's Race</b>									
White, Non-Hispanic	1,232	530	237	189	89	60	68	22	37
Black, Non-Hispanic	1,378	526	321	220	107	91	70	25	18
Other, Non-Hispanic	219	112	34	26	17	15	11	2	2
Unknown, Non-Hispanic	12	5	2	3	0	0	1	1	0
Hispanic, Any Race	69	37	16	8	2	1	4	1	0
<b>Patient's Age</b>									
Under 15	14	7	1	1	2	2	1	0	0
15	12	2	5	3	0	1	0	1	0
16	20	2	4	8	3	1	2	0	0
17	48	18	10	10	8	0	2	0	0
18	86	36	17	13	6	6	5	2	1
19	120	46	35	22	5	7	3	0	2
20-24	861	360	167	133	70	52	54	15	10
25-29	861	362	187	121	60	50	50	14	17
30-34	542	229	125	77	28	36	20	12	15
35-39	272	119	46	48	25	8	13	5	8
40 and Over	73	29	13	10	7	4	4	2	4
Unknown	1	0	0	0	1	0	0	0	0
<b>Type of Procedure</b>									
Curettage	2,047	937	539	446	123	2	0	0	0
Intrauterine Instillation	1	0	0	0	0	0	0	0	1
Hysterotomy/Hysterectomy	1	0	0	0	0	0	1	0	0
Laminaria D & E	501	0	0	0	91	163	149	47	51
Medical/Nonsurgical	359	273	71	0	1	2	3	4	5
Unknown	1	0	0	0	0	0	1	0	0
Other	0	0	0	0	0	0	0	0	0

**Table 12C. Post-Abortion Complication Report: Missouri, 2018**

	Procedure Type			Total
	Surgical	Medical	Not Specified	
Total Complications	39	43	82	164
..Incomplete Abortion	5	15	23	43
..Hemorrhage	4	2	9	15
..Endometritis	5	1	12	18
..Parametritis	0	0	2	2
..Pyrexia	1	1	0	2
..Pelvic Abscess	0	0	1	1
..Uterine Perforation	1	0	1	2
..Failed Abortion, Pregnancy Undisturbed	2	11	9	22
..Retained Products	9	11	12	32
..Cervical Laceration	1	0	0	1
..Psychiatric	0	0	0	0
..Other Complication	11	2	13	26
No Complication Reported**	0	0	2	2
Total Complication Reports Received	29	34	68	131

	Count
Patients Hospitalized	22

	Count	Percent with Complications*
Complication Reports for Abortions Recorded in Missouri	68	2.3

Refer to Appendix Section "New Tables on Post-Abortion Complications" for more information.  
 \* Rate is calculated as total complication reports for abortions performed in Missouri out of all abortions performed in Missouri.  
 \*\* A complication report was submitted to DHSS, but no complications were identified on the report.

**Table 13. Resident Abortions by Age, Marital Status, and Education by Race and Hispanic Origin: Missouri, 2018**

	Total	Patient's Race				
		White, Non-Hispanic	Black, Non-Hispanic	Other, Non-Hispanic	Unknown, Non-Hispanic	Hispanic, Any Race
State Total	6,125	3,031	2,346	483	11	254
Patient's Age						
Under 15	20	8	11	0	0	1
15	33	20	11	2	0	0
16	42	20	17	3	0	2
17	91	37	40	8	1	5
18	163	85	55	16	0	7
19	237	125	89	15	0	8
20-24	1,826	923	689	124	4	86
25-29	1,812	831	759	144	3	75
30-34	1,091	539	433	83	2	34
35-39	618	343	190	60	0	25
40 and Over	191	99	52	28	1	11
Unknown	1	1	0	0	0	0
Marital Status						
Never Married	2,107	743	1,153	157	11	43
Currently Married	822	501	145	133	0	43
Formerly Married	85	54	16	12	0	3
Unmarried, Unspecified	2,956	1,656	979	157	0	164
Unknown	155	77	53	24	0	1
Years of Education						
0-8	64	20	25	8	0	11
9-11	432	192	188	26	1	25
12	2,296	988	1,074	131	6	97
13-15	2,071	1,095	743	139	1	93
16 or More	869	551	203	91	2	22
Unknown	393	185	113	88	1	6

**Table 14. Resident Abortions and Ratios per 1,000 Live Births by County and BRFSS Region of Residence: Missouri, 2018**

Counties	Number	Ratio
<b>State Total</b>	6,125	83.6
Adair	12	41.8
Andrew	15	79.8
Atchison	2	48.8
Audrain	8	24.6
Barry	12	28.2
Barton	2	14.5
Bates	15	87.2
Benton	6	32.8
Bollinger	1	6.7
Boone	219	106.8
Buchanan	107	95.7
Butler	13	26.0
Caldwell	4	37.0
Callaway	30	59.9
Camden	23	61.8
Cape Girardeau	37	39.7
Carroll	6	66.7
Carter	3	34.5
Cass	99	86.1
Cedar	3	15.5
Chariton	3	33.0
Christian	46	44.0
Clark	4	51.3
Clay	334	107.0
Clinton	25	112.1
Cole	52	56.3
Cooper	11	51.2
Crawford	6	22.6
Dade	6	80.0
Dallas	9	37.7
Davies	4	31.0

Counties	Number	Ratio
DeKalb	0	0.0
Dent	4	21.5
Douglas	5	30.9
Dunklin	12	30.8
Franklin	42	35.7
Gasconade	6	39.2
Gentry	2	23.0
Greene	235	71.0
Grundy	5	33.1
Harrison	0	0.0
Henry	13	53.5
Hickory	31	430.6
Holt	2	39.2
Howard	6	55.6
Howell	15	28.7
Iron	2	19.8
Jackson	1,738	191.5
Jasper	62	39.5
Jefferson	91	35.7
Johnson	59	84.9
Knox	0	0.0
Laclede	17	36.2
Lafayette	26	67.7
Lawrence	12	22.9
Lewis	1	7.4
Lincoln	21	25.9
Linn	6	45.8
Livingston	7	46.1
Macon	5	27.9
Madison	3	19.9
Maries	0	0.0
Marion	9	25.4

Counties	Number	Ratio
McDonald	9	24.7
Mercer	0	0.0
Miller	8	23.9
Mississippi	5	31.4
Moniteau	6	28.7
Monroe	1	10.6
Montgomery	4	26.8
Morgan	2	7.5
New Madrid	9	46.6
Newton	11	15.0
Nodaway	18	87.8
Oregon	3	23.3
Osage	1	7.0
Ozark	2	25.3
Pemiscot	19	84.8
Perry	4	17.4
Pettis	31	51.8
Phelps	15	32.1
Pike	5	23.3
Platte	143	117.3
Polk	11	26.0
Pulaski	26	36.4
Putnam	1	16.4
Ralls	0	0.0
Randolph	14	45.0
Ray	16	59.7
Reynolds	1	13.7
Ripley	1	6.3
Saline	15	59.5
Schuyler	0	0.0
Scotland	0	0.0
Scott	15	30.0

Counties	Number	Ratio
Shannon	2	20.8
Shelby	3	36.6
St. Charles	222	51.5
St. Clair	5	51.0
St. Francois	25	35.7
St. Louis City	575	139.0
St. Louis County	1,164	102.5
Ste. Genevieve	3	13.5
Stoddard	5	14.3
Stone	8	30.1
Sullivan	1	10.2
Taney	33	50.4
Texas	2	7.6
Vernon	11	43.0
Warren	9	20.9
Washington	5	18.2
Wayne	2	17.4
Webster	14	23.0
Worth	0	0.0
Wright	12	52.2

BRFSS Regions	Number	Ratio
Northeast	92	30.6
Northwest	215	76.0
Central	475	55.6
Southeast	201	29.9
Southwest	539	47.2
St. Louis Region	2,129	85.0
Kansas City Region	2,400	152.7
Metro	5,400	97.5
Non-Metro	651	36.4

**Table 15. Resident Abortions by Marital Status, Number of Living Children, and Number of Previous Abortions  
by Age of Patient: Missouri, 2018**

	Total	Patient's Age									
		Under 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 and Over	Unknown
<b>State Total</b>	6,125	20	166	400	1,826	1,812	1,091	618	179	12	1
<b>Marital Status</b>											
Never Married	2,107	12	69	181	677	653	348	135	32	0	0
Currently Married	822	0	3	4	104	240	217	177	70	7	0
Formerly Married	85	0	0	1	7	11	26	28	9	2	1
Unmarried, Unspecified	2,956	8	88	201	989	865	471	265	66	3	0
Unknown	155	0	6	13	49	43	29	13	2	0	0
<b>Number of Living Children</b>											
0	2,370	18	158	320	1,021	545	207	78	20	3	0
1	1,514	0	4	60	496	520	246	140	45	3	0
2	1,245	0	0	9	210	432	335	202	53	4	0
3	531	0	0	0	55	186	159	96	34	1	0
4	260	0	0	0	20	77	77	67	17	1	1
5	77	0	0	0	3	14	36	19	5	0	0
6+	47	0	0	0	1	9	23	9	5	0	0
Unknown	81	2	4	11	20	29	8	7	0	0	0
<b>Number of Previous Abortions</b>											
0	3,865	18	158	342	1,384	1,060	520	280	96	6	1
1	1,386	0	6	50	320	463	312	191	40	4	0
2	551	0	0	3	90	197	150	88	21	2	0
3	185	0	1	0	17	58	66	32	11	0	0
4	64	0	0	0	5	17	21	16	5	0	0
5	35	0	0	0	4	9	12	7	3	0	0
6+	19	0	0	0	0	5	7	4	3	0	0
Unknown	20	2	1	5	6	3	3	0	0	0	0

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2018**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
State Total	6,126,452	73,281	63,110	10,171	74,099	65,507	12.0	10.3	1.7
Adair	25,339	287	213	74	561	210	11.3	8.4	2.9
Andrew	17,607	188	159	29	1	115	10.7	9.0	1.6
Atchison	5,171	41	71	-30	45	61	7.9	13.7	-5.8
Audrain	25,473	325	310	15	291	282	12.8	12.2	0.6
Barry	35,886	425	455	-30	289	331	11.8	12.7	-0.8
Barton	11,798	138	122	16	8	98	11.7	10.3	1.4
Bates	16,320	172	185	-13	5	151	10.5	11.3	-0.8
Benton	19,278	183	326	-143	6	216	9.5	16.9	-7.4
Bollinger	12,169	149	144	5	1	101	12.2	11.8	0.4
Boone	180,005	2,051	1,237	814	4,164	2,163	11.4	6.9	4.5
Buchanan	88,571	1,118	957	161	1,562	1,125	12.6	10.8	1.8
Butler	42,639	500	608	-108	1,457	720	11.7	14.3	-2.5
Caldwell	9,108	108	117	-9	3	67	11.9	12.8	-1.0
Callaway	44,889	501	458	43	9	278	11.2	10.2	1.0
Camden	45,815	372	539	-167	623	538	8.1	11.8	-3.6
Cape Girardeau	78,753	931	820	111	1,982	1,373	11.8	10.4	1.4
Carroll	8,743	90	121	-31	1	92	10.3	13.8	-3.5
Carter	6,054	87	92	-5	0	56	14.4	15.2	-0.8
Cass	104,954	1,150	1,029	121	15	744	11.0	9.8	1.2
Cedar	14,165	194	222	-28	34	161	13.7	15.7	-2.0
Chariton	7,451	91	96	-5	2	79	12.2	12.9	-0.7
Christian	86,983	1,045	684	361	7	406	12.0	7.9	4.2
Clark	6,842	78	81	-3	3	56	11.4	11.8	-0.4
Clay	246,365	3,121	1,852	1,269	3,109	2,280	12.7	7.5	5.2
Clinton	20,470	223	261	-38	144	292	10.9	12.8	-1.9
Cole	76,796	923	711	212	1,489	866	12.0	9.3	2.8
Cooper	17,603	215	200	15	0	157	12.2	11.4	0.9
Crawford	23,957	265	315	-50	255	260	11.1	13.1	-2.1
Dade	7,569	75	116	-41	3	69	9.9	15.3	-5.4
Dallas	16,762	239	213	26	8	132	14.3	12.7	1.6
Davies	8,313	129	85	44	44	46	15.5	10.2	5.3
DeKalb	12,630	102	160	-58	1	98	8.1	12.7	-4.6
Dent	15,441	186	174	12	4	127	12.0	11.3	0.8
Douglas	13,373	162	206	-44	10	150	12.1	15.4	-3.3
Dunklin	29,423	389	473	-84	135	296	13.2	16.1	-2.9
Franklin	103,670	1,176	1,072	104	843	964	11.3	10.3	1.0
Gasconade	14,705	153	212	-59	1	173	10.4	14.4	-4.0
Gentry	6,628	87	96	-9	14	81	13.1	14.5	-1.4

**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2018**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Greene	291,923	3,309	2,954	355	6,502	4,507	11.3	10.1	1.2
Grundy	9,914	151	127	24	30	96	15.2	12.8	2.4
Harrison	8,414	97	109	-12	7	79	11.5	13.0	-1.4
Henry	21,792	243	301	-58	402	231	11.2	13.8	-2.7
Hickory	9,509	72	152	-80	5	95	7.6	16.0	-8.4
Holt	4,404	51	54	-3	3	45	11.6	12.3	-0.7
Howard	10,137	108	116	-8	1	75	10.7	11.4	-0.8
Howell	40,076	523	530	-7	642	575	13.1	13.2	-0.2
Iron	10,177	101	143	-42	1	114	9.9	14.1	-4.1
Jackson	700,307	9,075	6,366	2,709	10,352	7,804	13.0	9.1	3.9
Jasper	120,636	1,570	1,262	308	15	757	13.0	10.5	2.6
Jefferson	224,347	2,547	2,181	366	501	1,585	11.4	9.7	1.6
Johnson	53,652	695	398	297	675	347	13.0	7.4	5.5
Knox	3,947	58	56	2	14	25	14.7	14.2	0.5
Laclede	35,713	469	459	10	278	339	13.1	12.9	0.3
Lafayette	32,598	384	413	-29	2	261	11.8	12.7	-0.9
Lawrence	38,359	525	515	10	244	403	13.7	13.4	0.3
Lewis	9,855	135	123	12	10	80	13.7	12.5	1.2
Lincoln	57,686	812	502	310	2	348	14.1	8.7	5.4
Linn	12,037	131	184	-53	3	138	10.9	15.3	-4.4
Livingston	15,146	152	165	-13	312	140	10.0	10.9	-0.9
Macon	15,153	179	215	-36	15	177	11.8	14.2	-2.4
Madison	12,188	151	176	-25	1	138	12.4	14.4	-2.1
Maries	8,769	91	94	-3	3	47	10.4	10.7	-0.3
Marion	28,592	354	341	13	591	342	12.4	11.9	0.5
McDonald	23,078	364	244	120	9	145	15.8	10.6	5.2
Mercer	3,641	43	54	-11	9	35	11.8	14.8	-3.0
Miller	25,336	335	294	41	0	224	13.2	11.6	1.6
Mississippi	13,336	159	196	-37	0	136	11.9	14.7	-2.8
Moniteau	16,121	209	175	34	9	126	13.0	10.9	2.1
Monroe	8,664	94	103	-9	3	67	10.8	11.9	-1.0
Montgomery	11,534	149	150	-1	3	120	12.9	13.0	-0.1
Morgan	20,358	267	312	-45	126	226	13.1	15.3	-2.2
New Madrid	17,296	193	273	-80	1	179	11.2	15.8	-4.6
Newton	58,266	735	694	41	3,133	1,602	12.6	11.9	0.7
Nodaway	22,304	205	213	-8	262	186	9.2	9.5	-0.4
Oregon	10,541	129	159	-30	5	92	12.2	15.1	-2.8
Osage	13,714	143	147	-4	0	103	10.4	10.7	-0.3
Ozark	9,017	79	139	60	4	80	8.8	15.4	-6.7



**Table 16A. Resident and Recorded Live Births, Deaths, and Natural Increase w/Rates per 1,000 Pop by County: Missouri, 2018**

Counties	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Pemiscot	16,272	224	241	-17	0	189	13.8	14.8	-1.0
Perry	19,150	230	219	11	143	182	12.0	11.4	0.6
Pettis	42,542	599	482	117	525	430	14.1	11.3	2.8
Phelps	44,732	467	430	37	810	441	10.4	9.6	0.8
Pike	18,504	215	213	2	5	151	11.6	11.5	0.1
Platte	102,985	1,219	747	472	766	512	11.8	7.3	4.6
Polk	32,201	423	374	49	582	384	13.1	11.6	1.5
Pulaski	52,014	714	339	375	371	235	13.7	6.5	7.2
Putnam	4,757	61	61	0	29	50	12.8	12.8	0.0
Ralls	10,212	93	86	7	0	36	9.1	8.4	0.7
Randolph	24,763	311	279	32	2	205	12.6	11.3	1.3
Ray	22,883	268	277	-9	4	209	11.7	12.1	-0.4
Reynolds	6,254	73	99	-26	1	68	11.7	15.8	-4.2
Ripley	13,401	159	190	-31	2	113	11.9	14.2	-2.3
Saline	22,895	252	264	-12	225	227	11.0	11.5	-0.5
Schuyler	4,599	65	58	7	9	31	14.1	12.6	1.5
Scotland	4,966	74	41	33	147	44	14.9	8.3	6.6
Scott	38,458	500	469	31	429	439	13.0	12.2	0.8
Shannon	8,189	96	90	6	2	65	11.7	11.0	0.7
Shelby	6,050	82	67	15	1	58	13.6	11.1	2.5
St. Charles	399,182	4,311	3,148	1,163	2,446	2,940	10.8	7.9	2.9
St. Clair	9,395	98	117	-19	8	90	10.4	12.5	-2.0
St. Francois	66,692	701	808	-107	612	657	10.5	12.1	-1.6
St. Louis City	302,838	4,137	3,035	1,102	3,580	4,702	13.7	10.0	3.6
St. Louis County	996,945	11,359	10,876	483	20,727	12,801	11.4	10.9	0.5
Ste. Genevieve	17,888	222	216	6	180	167	12.4	12.1	0.3
Stoddard	29,206	349	407	-58	4	290	11.9	13.9	-2.0
Stone	31,749	266	444	-178	2	291	8.4	14.0	-5.6
Sullivan	6,221	98	83	15	0	50	15.8	13.3	2.4
Taney	55,852	655	600	55	571	626	11.7	10.7	1.0
Texas	25,571	264	331	-67	180	238	10.3	12.9	-2.6
Vernon	20,528	256	237	19	279	175	12.5	11.5	0.9
Warren	34,711	430	324	106	2	186	12.4	9.3	3.1
Washington	24,943	274	273	1	2	165	11.0	10.9	0.0
Wayne	13,122	115	213	-98	3	127	8.8	16.2	-7.5
Webster	39,109	608	393	215	135	257	15.5	10.0	5.5
Worth	2,040	27	25	2	0	15	13.2	12.3	1.0
Wright	18,378	230	272	-42	11	178	12.5	14.8	-2.3

**Table 16B. Resident and Recorded Live Births, Deaths, and Natural Increase  
with Rates by Cities with Over 25,000 Population: Missouri, 2018**

Cities with Population 25,000+	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Ballwin	30,188	298	239	59	0	267	9.9	7.9	2.0
Blue Springs	55,104	676	402	274	0	374	12.3	7.3	5.0
Cape Girardeau	39,853	480	458	22	1,980	1,182	12.0	11.5	0.6
Chesterfield	47,644	361	571	-210	1,710	986	7.6	12.0	-4.4
Columbia	123,180	1,328	826	502	4,159	2,036	10.8	6.7	4.1
Florissant	51,272	683	603	80	0	794	13.3	11.8	1.6
Gladstone	27,317	345	286	59	5	77	12.6	10.5	2.2
Hazelwood	25,204	333	259	74	1	87	13.2	10.3	2.9
Independence	116,925	1,472	1,453	19	1,437	1,362	12.6	12.4	0.2
Jefferson City	42,838	543	478	65	1,482	841	12.7	11.2	1.5
Kirkwood	27,758	304	292	12	1	118	11.0	10.5	0.4
Lee's Summit	98,461	1,071	666	405	1,842	861	10.9	6.8	4.1
Liberty	31,476	311	215	96	1,173	436	9.9	6.8	3.0
Maryland Heights	26,968	374	284	90	0	258	13.9	10.5	3.3
O'Fallon	87,544	971	609	362	937	528	11.1	7.0	4.1
Raytown	28,993	334	363	-29	2	216	11.5	12.5	-1.0
St. Charles	70,764	718	756	-38	547	1,157	10.1	10.7	-0.5
St. Joseph	75,959	985	825	160	1,553	1,102	13.0	10.9	2.1
St. Louis City	302,838	4,137	3,035	1,102	3,580	4,702	13.7	10.0	3.6
St. Peters	57,127	608	495	113	1	559	10.6	8.7	2.0
Springfield	168,122	1,914	1,933	-19	6,494	4,132	11.4	11.5	-0.1
University City	34,322	423	392	31	0	128	12.3	11.4	0.9
Wentzville	41,164	593	217	376	2	167	14.4	5.3	9.1
Wildwood	35,517	224	158	66	1	67	6.3	4.4	1.9

**Table 16C. Resident and Recorded Live Births, Deaths, and Natural Increase with Rates by Multi-County Cities: Missouri, 2018**

Multi-County Cities	Population	Resident Live Births	Resident Deaths	Natural Increase	Recorded Live Births	Recorded Deaths	Resident Birth Rate	Resident Death Rate	Natural Inc. Rate
Joplin	50,657	660	627	33	3,123	1,572	13.0	12.4	0.7
...Jasper Co. Part	43,453	598	532	66	0	344	13.8	12.2	1.5
...Newton Co. Part	7,114	62	95	-33	3,123	1,228	8.7	13.4	-4.6
Kansas City	491,918	6,971	3,988	2,983	7,676	5,513	14.2	8.1	6.1
...Jackson Co. Part	315,801	4,477	2,761	1,716	6,927	4,679	14.2	8.7	5.4
...Clay Co. Part	126,460	1,837	842	995	0	467	14.5	6.7	7.9
...Platte Co. Part	49,456	657	385	272	749	367	13.3	7.8	5.5
...Cass Co. Part	201	0	0	0	0	0	0	0	0

**Table 17A. Resident Live Births and Deaths by Cities with 10,000 to 24,999 Population: Missouri, 2018**

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Arnold	260	262
Bellefontaine Neighbors	107	190
Belton	327	212
Bolivar	156	141
Branson	146	145
Bridgeton	121	198
Carthage	224	175
Clayton	93	74
Crestwood	159	142
Creve Coeur	158	257
Dardenne Prairie	109	79
Eureka	123	102
Excelsior Springs	139	118
Farmington	167	229
Ferguson	293	211
Festus	179	165
Fulton	136	156
Grain Valley	192	83
Grandview	379	224
Hannibal	242	228
Harrisonville	112	139
Jackson	192	140
Jennings	192	181
Kennett	157	178
Kirkville	197	149
Lake St. Louis	130	106
Lebanon	248	210
Manchester	229	125
Marshall	157	148
Maryville	84	104
Mexico	160	157
Moberly	195	161
Neosho	198	159
Nixa	280	178
Overland	246	167

Cities with 10,000 to 24,999 Population	Resident Live Births	Resident Deaths
Ozark	319	180
Poplar Bluff	238	295
Raymore	227	207
Republic	260	147
Rolla	221	160
St. Ann	190	134
Sedalia	328	290
Sikeston	236	235
Town and Country	53	129
Troy	174	124
Union	176	121
Warrensburg	223	118
Washington	150	176
Webb City	172	136
Webster Groves	253	242
West Plains	188	216

**Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2018**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ashland	65	43
Aurora	130	110
Ava	44	68
Battlefield	67	27
Bel-Ridge	39	30
Berkeley	148	90
Bethany	31	60
Black Jack	90	112
Bonne Terre	63	62
Boonville	107	115
Bowling Green	51	57
Breckenridge Hills	70	59
Brentwood	112	43
Brookfield	45	77
Buckner	41	30
Buffalo	51	60
Butler	51	66
Byrnes Mill	36	20
California	64	74
Camdenton	64	39
Cameron	95	141
Carl Junction	103	47
Carrollton	44	74
Caruthersville	82	86
Cassville	46	56
Centralia	67	51
Chaffee	39	41
Charleston	53	72
Chillicothe	97	111
Clarkson Valley	8	21
Clinton	121	132
Cottleville	65	20
Crystal City	8	4
Cuba	40	56
Dellwood	69	44

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Desloge	55	62
De Soto	84	91
Des Peres	99	103
Dexter	106	120
East Prairie	53	51
Eldon	57	82
El Dorado Springs	59	73
Ellisville	96	143
Fayette	40	28
Fenton	39	56
Fredricktown	65	83
Frontenac	22	30
Glendale	80	33
Green Park	35	56
Greenwood	72	30
Hayti	41	39
Herculaneum	53	69
Higginsville	63	75
Hillsboro	49	21
Hollister	69	59
Holts Summit	49	51
Kearney	126	75
Knob Noster	33	11
Ladue	83	75
Lamar	57	63
Lexington	44	65
Licking	22	28
Louisiana	37	67
Macon	66	80
Malden	57	62
Maplewood	98	57
Marshfield	102	91
Monett	148	127
Monroe City	25	29
Montgomery City	38	31

**Table 17B. Resident Live Births and Deaths by Cities with 2,500 to 9,999 Population: Missouri, 2018**

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Moscow Mills	77	29
Mountain Grove	59	76
Mountain View	44	65
Mount Vernon	55	106
Nevada	123	137
New Madrid	38	53
Normandy	51	52
North Kansas City	53	55
Northwoods	44	70
Oak Grove	97	73
Odessa	85	62
Olivette	77	54
Osage Beach	35	83
Owensville	45	65
Pacific	73	80
Pagedale	54	55
Palmyra	35	41
Park Hills	135	126
Parkville	48	34
Peculiar	64	33
Perryville	123	138
Pevely	95	51
Pine Lawn	36	49
Platte City	62	38
Pleasant Hill	124	72
Pleasant Valley	42	38
Portageville	35	45
Potosi	45	38
Richmond	84	104
Richmond Heights	91	88
Riverside	70	51
Riverview	66	37
Rock Hill	63	42
Rogersville	81	21
St. Clair	70	41

Cities with 2,500 to 9,999 Population	Resident Live Births	Resident Deaths
Ste. Genevieve	46	68
St. James	51	81
St. John	114	71
St. Robert	65	28
Salem	70	72
Savannah	64	59
Scott City	61	37
Shrewsbury	69	113
Smithville	119	77
Sugar Creek	35	42
Sullivan	110	106
Sunset Hills	49	167
Tipton	27	51
Trenton	78	93
Valley Park	79	87
Vandalia	34	47
Warrenton	134	92
Waynesville	80	51
Weldon Spring	29	69
Willard	77	44
Windsor	28	36
Woodson Terrace	50	54
Wright City	88	32

**Table 18A. Twelve Leading Causes of Death and Death Rates per 100,000 Residents: Missouri, 2018**

<b>Race</b>	<b>Causes of Death</b>	<b>Number</b>	<b>Crude Rate</b>	<b>Age-Adjusted Rate</b>	<b>Percent Of Total</b>
<b>Total (All Races)</b>	<b>1. Diseases of heart</b>	14,888	243.0	188.3	23.6
	<b>2. Malignant neoplasms</b>	13,038	212.8	165.2	20.7
	<b>3. Chronic lower respiratory disease</b>	3,978	64.9	50.1	6.3
	<b>4. Unintentional injuries</b>	3,975	64.9	61.6	6.3
	<b>5. Cerebrovascular diseases</b>	3,039	49.6	38.5	4.8
	<b>6. Alzheimer's disease</b>	2,640	43.1	32.9	4.2
	<b>7. Diabetes mellitus</b>	1,606	26.2	20.8	2.5
	<b>8. Nephritis and nephrosis</b>	1,504	24.5	19.1	2.4
	<b>9. Influenza and pneumonia</b>	1,477	24.1	18.7	2.3
	<b>10. Suicide</b>	1,230	20.1	19.5	1.9
	<b>11. Septicemia</b>	881	14.4	11.2	1.4
	<b>12. Parkinson's disease</b>	719	11.7	9.2	1.1
	<b>All other causes</b>	14,135	230.7	187.7	22.4
	<b>Total (All Causes)</b>	63,110	1030.1	823.0	100.0

**Table 18B. Twelve Leading Causes of Resident Death and Percentages by Race and Death Rates Per 100,000: Missouri, 2018**

Race	Causes of Death	Number	Percent Of Total
White, Non-Hispanic	1. Diseases of heart	13,042	23.8
	2. Malignant neoplasms	11,373	20.8
	3. Chronic lower respiratory disease	3,695	6.8
	4. Unintentional injuries	3,251	5.9
	5. Cerebrovascular diseases	2,600	4.8
	6. Alzheimer's disease	2,410	4.4
	7. Influenza and pneumonia	1,357	2.5
	8. Diabetes mellitus	1,337	2.4
	9. Nephritis and nephrosis	1,232	2.3
	10. Suicide	1,092	2.0
	11. Septicemia	729	1.3
	12. Parkinson's disease	681	1.2
	All other causes	11,893	21.7
	Total (All Causes)	54,692	100.0
Black, Non-Hispanic	1. Diseases of heart	1,597	23.0
	2. Malignant neoplasms	1,359	19.6
	3. Unintentional injuries	583	8.4
	4. Homicide	398	5.7
	5. Cerebrovascular diseases	359	5.2
	6. Chronic lower respiratory disease	236	3.4
	7. Nephritis and nephrosis	231	3.3
	8. Diabetes mellitus	217	3.1
	9. Alzheimer's disease	187	2.7
	10. Septicemia	135	1.9
	11. Influenza and pneumonia	94	1.4
	12. Essential hypertension	87	1.3
	All other causes	1,457	21.0
	Total (All Causes)	6,940	100.0

Race	Causes of Death	Number	Percent Of Total
Other Races	1. Malignant neoplasms	175	21.7
	2. Diseases of heart	148	18.4
	3. Unintentional injuries	57	7.1
	4. Cerebrovascular diseases	46	5.7
	5. Suicide	34	4.2
	6. Chronic lower respiratory disease	29	3.6
	7. Diabetes mellitus	28	3.5
	8. Nephritis and nephrosis	26	3.2
	9. Alzheimer's disease	23	2.9
	10. Chronic liver disease and cirrhosis	18	2.2
	11. Conditions orig. in perinatal period	17	2.1
	11. Influenza and pneumonia	17	2.1
	All other causes	187	23.2
	Total (All Causes)	805	100.0

Race	Causes of Death	Number	Percent Of Total
Hispanic, Any Race	1. Malignant neoplasms	126	20.2
	2. Diseases of heart	88	14.1
	3. Unintentional injuries	76	12.2
	4. Cerebrovascular diseases	32	5.1
	5. Suicide	28	4.5
	6. Conditions orig. in perinatal period	23	3.7
	7. Diabetes mellitus	22	3.5
	8. Alzheimer's disease	20	3.2
	9. Chronic lower respiratory disease	15	2.4
	10. Chronic liver disease and cirrhosis	14	2.2
	10. Homicide	14	2.2
	12. Nephritis and nephrosis	12	1.9
	All other causes	154	24.7
	Total (All Causes)	624	100.0



**Table 19. Five Leading Causes of Death and Percentages for Selected Resident Age Groups: Missouri, 2018**

Age Group	Causes of Death	Number	Percent Of Total
Under 1 year	1. Conditions orig. in perinatal period	204	44.4
	2. Congenital anomalies	100	21.8
	3. Unintentional injuries	51	11.1
	4. Homicide	12	2.6
	5. Diseases of heart	7	1.5
	Total (All Causes)	459	100.0
1-4 years	1. Unintentional injuries	31	36.5
	2. Homicide	11	12.9
	2. Malignant neoplasms	11	12.9
	4. Congenital anomalies	4	4.7
	5. Influenza and pneumonia	3	3.5
	Total (All Causes)	85	100.0
5-14 years	1. Unintentional injuries	30	26.5
	2. Malignant neoplasms	20	17.7
	3. Suicide	15	13.3
	4. Homicide	13	11.5
	5. Congenital anomalies	4	3.5
	5. Influenza and pneumonia	4	3.5
15-24 years	Total (All Causes)	113	100.0
	1. Unintentional injuries	339	41.1
	2. Suicide	170	20.6
	3. Homicide	151	18.3
	4. Malignant neoplasms	31	3.8
	5. Diseases of heart	24	2.9
25-34 years	Total (All Causes)	825	100.0
	1. Unintentional injuries	620	43.1
	2. Suicide	218	15.1
	3. Homicide	192	13.3
	4. Diseases of heart	82	5.7
	5. Malignant neoplasms	66	4.6
35-44 years	Total (All Causes)	1,439	100.0
	1. Unintentional injuries	578	30.9
	2. Diseases of heart	248	13.3
	3. Malignant neoplasms	208	11.1
	4. Suicide	186	9.9
	5. Homicide	135	7.2
	Total (All Causes)	1,870	100.0

Age Group	Causes of Death	Number	Percent Of Total
45-54 years	1. Malignant neoplasms	818	22.3
	2. Diseases of heart	775	21.2
	3. Unintentional injuries	512	14.0
	4. Suicide	201	5.5
	5. Diabetes mellitus	131	3.6
	Total (All Causes)	3,661	100.0
55-64 years	1. Malignant neoplasms	2,635	30.2
	2. Diseases of heart	2,093	24.0
	3. Chronic lower respiratory disease	516	5.9
	4. Unintentional injuries	507	5.8
	5. Diabetes mellitus	286	3.3
	Total (All Causes)	8,712	100.0
65-74 years	1. Malignant neoplasms	3,666	30.1
	2. Diseases of heart	2,744	22.6
	3. Chronic lower respiratory disease	1,047	8.6
	4. Cerebrovascular diseases	511	4.2
	5. Diabetes mellitus	436	3.6
	Total (All Causes)	12,167	100.0
75-84 years	1. Diseases of heart	3,549	23.2
	2. Malignant neoplasms	3,514	23.0
	3. Chronic lower respiratory disease	1,321	8.6
	4. Cerebrovascular diseases	831	5.4
	5. Alzheimer's disease	718	4.7
	Total (All Causes)	15,280	100.0
85 years & over	1. Diseases of heart	5,364	29.0
	2. Malignant neoplasms	2,068	11.2
	3. Alzheimer's disease	1,738	9.4
	4. Cerebrovascular diseases	1,266	6.8
	5. Chronic lower respiratory disease	937	5.1
	Total (All Causes)	18,499	100.0

**Table 20. Resident Deaths with Age-Specific Rates per 1,000 Residents By Age Groups By Sex and Race: Missouri, 2018**

Age at Death	Age-Specific Rate			All Races			White, Non-Hispanic			Black, Non-Hispanic		
	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Ages	10.3	10.8	9.9	63,110	32,343	30,767	54,692	27,789	26,903	6,940	3,741	3,199
Under 1 Year	6.3	6.5	6.0	459	244	215	290	150	140	109	59	50
1-4 Years	0.3	0.3	0.3	85	47	38	59	38	21	20	7	13
5-9 Years	0.1	0.1	0.1	52	25	27	32	16	16	10	7	3
10-14 Years	0.2	0.2	0.1	61	40	21	43	26	17	14	10	4
15-19 Years	0.7	1.1	0.4	292	213	79	192	135	57	72	57	15
20-24 Years	1.3	1.9	0.7	533	394	139	343	241	102	152	120	32
25-29 Years	1.7	2.3	1.0	709	504	205	479	336	143	201	147	54
30-34 Years	1.8	2.4	1.2	730	485	245	529	351	178	166	108	58
35-39 Years	2.3	3.0	1.7	915	585	330	655	408	247	214	142	72
40-44 Years	2.7	3.5	2.0	955	611	344	698	441	257	215	146	69
45-49 Years	3.9	5.0	2.9	1,443	905	538	1,107	687	420	283	178	105
50-54 Years	5.8	7.1	4.5	2,218	1,340	878	1,778	1,061	717	367	225	142
55-59 Years	8.8	11.1	6.6	3,799	2,333	1,466	3,106	1,904	1,202	601	375	226
60-64 Years	12.3	15.4	9.5	4,913	2,948	1,965	4,039	2,434	1,605	748	440	308
65-69 Years	17.2	21.6	13.3	5,723	3,374	2,349	4,848	2,882	1,966	747	423	324
70-74 Years	24.8	29.3	20.9	6,444	3,519	2,925	5,622	3,081	2,541	679	357	322
75-79 Years	40.0	47.8	33.7	7,443	3,975	3,468	6,671	3,593	3,078	609	292	317
80-84 Years	63.4	74.7	55.2	7,837	3,883	3,954	7,111	3,562	3,549	589	257	332
85 Years & Over	140.3	151.7	134.2	18,499	6,918	11,581	17,090	6,443	10,647	1,144	391	753

**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2018**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	63,110	459	85	52	61	292	533	709	730	915	955
Enterocolitis due to Clostridium difficile	133	0	0	0	0	0	0	0	1	0	2
Septicemia	881	3	1	0	0	0	0	1	1	5	7
HIV / AIDS	71	0	0	0	0	0	1	4	2	4	5
Malignant neoplasms	13,038	1	11	10	10	15	16	26	40	89	119
...Colon, rectum, and anus	1,149	0	0	0	0	0	0	0	6	14	19
...Pancreas	916	0	0	0	0	0	0	0	1	3	7
...Trachea, bronchus, and lung	3,561	0	0	0	0	0	1	0	5	5	17
...Breast	822	0	0	0	0	0	0	1	5	7	18
...Cervix uteri, corpus uteri, and ovary	581	0	0	0	0	0	1	2	5	11	11
...Prostate	592	0	0	0	0	0	0	0	0	0	0
...Urinary tract	708	0	1	2	0	0	0	1	0	4	3
...Non-Hodgkin's lymphoma	423	0	0	0	1	0	0	1	2	4	4
...Leukemia	512	1	2	3	2	3	3	5	2	9	2
...Other malignant neoplasms	3,774	0	8	5	7	12	11	16	14	32	38
Diabetes mellitus	1,606	0	0	0	1	2	2	7	12	21	34
Alzheimer's disease	2,640	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	719	0	0	0	0	0	0	0	0	0	0
Diseases of heart	14,888	7	0	0	2	8	16	31	51	104	144
Essential hypertension	608	0	0	0	0	0	0	2	1	3	6
Cerebrovascular diseases	3,039	0	1	1	1	0	2	6	4	11	24
Influenza and pneumonia	1,477	5	3	4	0	0	4	7	4	13	11
Chronic lower respiratory disease	3,978	0	2	2	1	2	2	3	4	9	13
Pneumonitis due to solids and liquids	583	0	0	0	0	0	0	2	0	3	0
Chronic liver disease and cirrhosis	718	0	0	0	0	0	1	3	15	16	30
Nephritis and nephrosis	1,504	3	0	0	0	0	2	3	8	9	11
Perinatal conditions	207	204	2	0	0	0	0	1	0	0	0
Congenital anomalies	212	100	4	2	2	3	5	4	10	3	4
Symptoms and ill-defined conditions	511	38	8	0	0	6	8	5	8	7	12
All other diseases	10,250	33	11	8	10	21	38	50	77	105	124
Unintentional injuries	3,975	51	31	18	12	102	237	321	299	322	256
...Motor vehicle crashes	956	1	6	6	3	72	101	94	77	62	63
...Falls	797	0	0	0	0	1	1	2	4	1	6
...Accidental poisoning	1,522	0	0	0	0	18	123	198	205	238	169
...Other unintentional injuries	700	50	25	12	9	11	12	27	13	21	18
Suicide	1,230	0	0	0	15	79	91	115	103	105	81
Homicide	657	12	11	7	6	53	98	111	81	77	58
All other external causes	185	2	0	0	1	1	10	7	9	9	14

**Table 21A. Resident Deaths by Selected Causes by Age Groups: Missouri, 2018**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	1,443	2,218	3,799	4,913	5,723	6,444	7,443	7,837	18,499	0
Enterocolitis due to Clostridium difficile	1	2	5	13	17	11	22	22	37	0
Septicemia	12	35	49	82	104	110	135	111	225	0
HIV / AIDS	12	14	10	10	6	2	1	0	0	0
Malignant neoplasms	270	548	1,098	1,537	1,757	1,909	1,914	1,600	2,068	0
...Colon, rectum, and anus	41	64	105	129	124	134	140	152	221	0
...Pancreas	23	34	71	112	131	144	151	114	125	0
...Trachea, bronchus, and lung	44	142	297	475	563	616	575	435	386	0
...Breast	38	47	78	87	96	108	97	87	153	0
...Cervix uteri, corpus uteri, and ovary	17	35	66	74	84	82	80	44	69	0
...Prostate	0	6	26	41	62	74	106	94	183	0
...Urinary tract	9	26	42	55	85	103	122	102	153	0
...Non-Hodgkin's lymphoma	4	9	26	38	46	51	69	75	93	0
...Leukemia	5	15	18	35	58	67	83	74	125	0
...Other malignant neoplasms	89	170	369	491	508	530	491	423	560	0
Diabetes mellitus	54	77	123	163	226	210	189	188	297	0
Alzheimer's disease	1	1	6	17	47	112	282	436	1,738	0
Parkinson's disease	0	1	1	5	33	85	138	173	283	0
Diseases of heart	289	486	914	1,179	1,304	1,440	1,659	1,890	5,364	0
Essential hypertension	5	16	27	29	40	37	65	67	310	0
Cerebrovascular diseases	54	62	115	150	205	306	358	473	1,266	0
Influenza and pneumonia	18	29	65	82	99	112	163	198	660	0
Chronic lower respiratory disease	33	86	188	328	450	597	665	656	937	0
Pneumonitis due to solids and liquids	9	15	21	31	39	45	71	90	257	0
Chronic liver disease and cirrhosis	37	83	122	115	87	74	65	34	36	0
Nephritis and nephrosis	27	37	60	92	157	175	185	229	506	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	3	6	18	15	12	8	4	4	5	0
Symptoms and ill-defined conditions	9	17	28	35	29	46	49	48	158	0
All other diseases	203	310	493	691	825	918	1,220	1,341	3,772	0
Unintentional injuries	263	249	284	223	188	164	190	236	529	0
...Motor vehicle crashes	69	71	74	63	48	41	51	29	25	0
...Falls	13	15	27	32	39	64	86	137	369	0
...Accidental poisoning	151	132	132	89	48	10	3	3	3	0
...Other unintentional injuries	30	31	51	39	53	49	50	67	132	0
Suicide	93	108	129	84	73	53	48	24	29	0
Homicide	37	28	32	15	14	7	4	2	4	0
All other external causes	13	8	11	17	11	23	16	15	18	0

**Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2018**

	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	32,343	244	47	25	40	213	394	504	485	585	611
Enterocolitis due to Clostridium difficile	49	0	0	0	0	0	0	0	0	0	1
Septicemia	441	1	1	0	0	0	0	0	1	3	5
HIV / AIDS	60	0	0	0	0	0	0	3	2	2	5
Malignant neoplasms	6,982	1	5	2	5	9	10	13	21	39	50
...Colon, rectum, and anus	626	0	0	0	0	0	0	0	4	8	10
...Pancreas	507	0	0	0	0	0	0	0	0	1	4
...Trachea, bronchus, and lung	1,920	0	0	0	0	0	0	0	4	2	9
...Breast	8	0	0	0	0	0	0	0	0	0	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0	0
...Prostate	592	0	0	0	0	0	0	0	0	0	0
...Urinary tract	503	0	0	0	0	0	0	0	0	3	3
...Non-Hodgkin's lymphoma	242	0	0	0	1	0	0	1	2	3	2
...Leukemia	293	1	1	1	0	2	2	2	1	4	1
...Other malignant neoplasms	2,291	0	4	1	4	7	8	10	10	18	21
Diabetes mellitus	879	0	0	0	1	1	2	6	6	15	17
Alzheimer's disease	814	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	438	0	0	0	0	0	0	0	0	0	0
Diseases of heart	8,004	4	0	0	1	5	9	20	31	68	101
Essential hypertension	230	0	0	0	0	0	0	1	1	3	4
Cerebrovascular diseases	1,270	0	1	0	1	0	0	5	3	7	13
Influenza and pneumonia	648	4	3	3	0	0	2	4	4	8	3
Chronic lower respiratory disease	1,918	0	1	2	0	2	1	2	2	5	5
Pneumonitis due to solids and liquids	344	0	0	0	0	0	0	1	0	1	0
Chronic liver disease and cirrhosis	439	0	0	0	0	0	1	1	8	7	16
Nephritis and nephrosis	747	2	0	0	0	0	2	3	5	4	9
Perinatal conditions	105	104	1	0	0	0	0	0	0	0	0
Congenital anomalies	108	53	1	1	1	1	4	2	5	2	3
Symptoms and ill-defined conditions	239	22	4	0	0	4	6	4	4	2	9
All other diseases	4,564	21	7	4	7	11	18	32	34	61	65
Unintentional injuries	2,476	28	18	11	9	74	173	221	205	215	180
...Motor vehicle crashes	667	1	1	3	2	50	73	70	45	38	48
...Falls	372	0	0	0	0	0	0	2	3	1	4
...Accidental poisoning	1,021	0	0	0	0	15	89	131	146	158	113
...Other unintentional injuries	416	27	17	8	7	9	11	18	11	18	15
Suicide	961	0	0	0	10	59	73	90	82	79	68
Homicide	512	3	5	2	5	47	85	93	63	61	46
All other external causes	115	1	0	0	0	0	8	3	8	3	11

**Table 21B. Male Resident Deaths by Selected Causes by Age Groups: Missouri, 2018**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	905	1,340	2,333	2,948	3,374	3,519	3,975	3,883	6,918	0
Enterocolitis due to Clostridium difficile	0	1	2	7	8	4	7	9	10	0
Septicemia	5	20	31	42	54	56	74	59	89	0
HIV / AIDS	10	13	9	9	5	1	1	0	0	0
Malignant neoplasms	147	265	610	868	993	1,039	1,038	867	1,000	0
...Colon, rectum, and anus	32	35	63	73	79	80	68	84	90	0
...Pancreas	15	16	41	68	75	87	87	56	57	0
...Trachea, bronchus, and lung	28	72	160	275	318	322	309	222	199	0
...Breast	0	0	0	1	2	2	2	1	0	0
...Cervix uteri, corpus uteri, and ovary	0	0	0	0	0	0	0	0	0	0
...Prostate	0	6	26	41	62	74	106	94	183	0
...Urinary tract	6	20	39	40	67	75	85	68	97	0
...Non-Hodgkin's lymphoma	3	6	19	27	31	29	34	44	40	0
...Leukemia	3	12	12	21	35	42	43	46	64	0
...Other malignant neoplasms	60	98	250	322	324	328	304	252	270	0
Diabetes mellitus	38	51	77	90	143	111	114	95	112	0
Alzheimer's disease	1	1	3	6	16	48	117	169	453	0
Parkinson's disease	0	0	0	5	19	58	95	111	150	0
Diseases of heart	192	342	653	795	873	851	972	992	2,095	0
Essential hypertension	4	11	17	16	18	24	30	17	84	0
Cerebrovascular diseases	30	37	62	83	119	152	165	187	405	0
Influenza and pneumonia	9	15	35	48	51	48	84	93	234	0
Chronic lower respiratory disease	15	47	103	177	221	303	330	299	403	0
Pneumonitis due to solids and liquids	6	9	14	17	25	25	46	59	141	0
Chronic liver disease and cirrhosis	26	49	76	77	60	42	37	22	17	0
Nephritis and nephrosis	16	22	29	53	93	92	96	110	211	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	2	2	7	9	7	3	2	2	1	0
Symptoms and ill-defined conditions	2	8	16	23	15	27	26	22	45	0
All other diseases	105	179	276	389	442	479	576	630	1,228	0
Unintentional injuries	192	166	186	146	130	98	110	109	205	0
...Motor vehicle crashes	50	55	52	41	35	29	37	20	17	0
...Falls	11	10	18	20	30	33	48	51	141	0
...Accidental poisoning	108	82	78	56	34	7	0	2	2	0
...Other unintentional injuries	23	19	38	29	31	29	25	36	45	0
Suicide	72	76	93	65	63	40	45	19	27	0
Homicide	28	23	23	9	10	3	2	1	3	0
All other external causes	5	3	11	14	9	15	8	11	5	0

**Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2018**

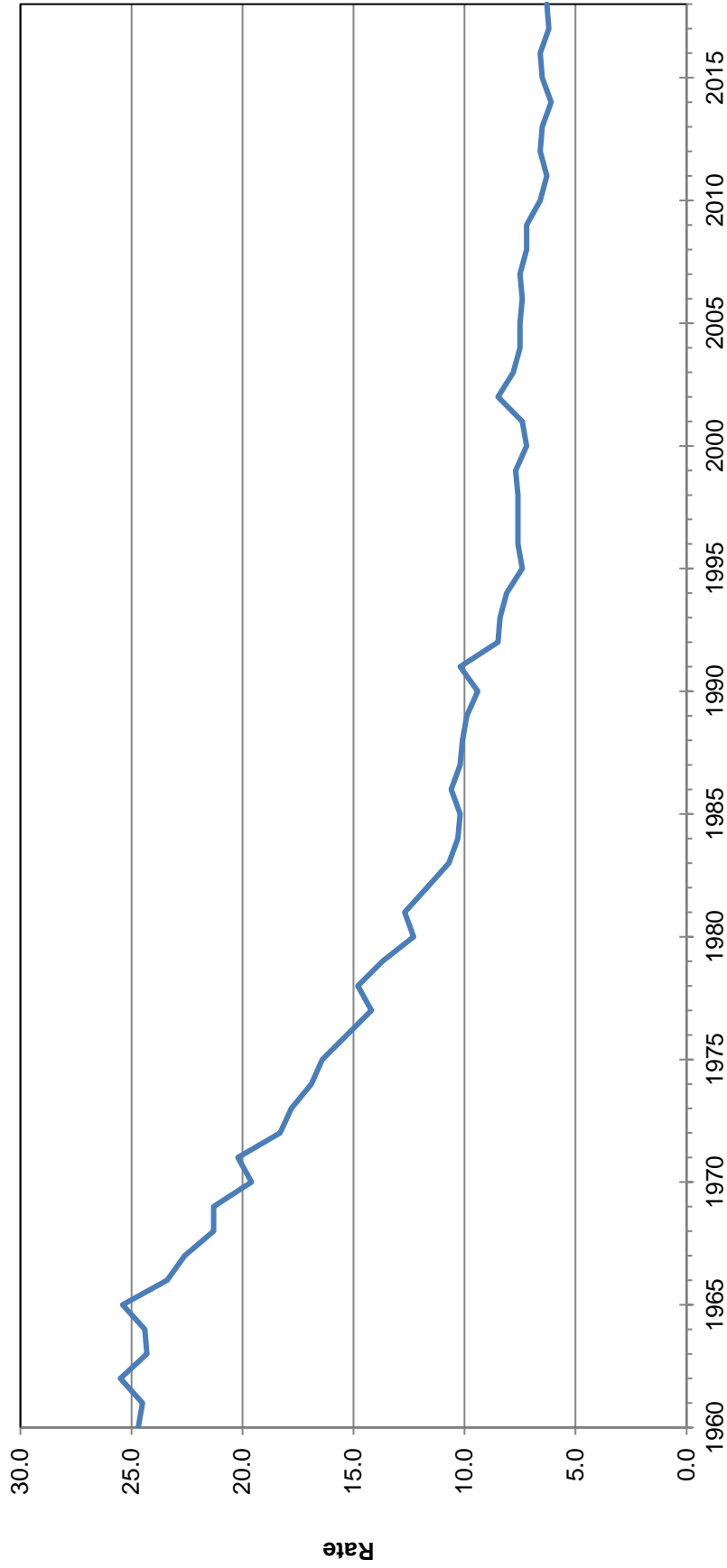
	All Ages	Under 1	1-4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40-44
All causes	30,767	215	38	27	21	79	139	205	245	330	344
Enterocolitis due to Clostridium difficile	84	0	0	0	0	0	0	0	1	0	1
Septicemia	440	2	0	0	0	0	0	1	0	2	2
HIV / AIDS	11	0	0	0	0	0	1	1	0	2	0
Malignant neoplasms	6,056	0	6	8	5	6	6	13	19	50	69
...Colon, rectum, and anus	523	0	0	0	0	0	0	0	2	6	9
...Pancreas	409	0	0	0	0	0	0	0	1	2	3
...Trachea, bronchus, and lung	1,641	0	0	0	0	0	1	0	1	3	8
...Breast	814	0	0	0	0	0	0	1	5	7	18
...Cervix uteri, corpus uteri, and ovary	581	0	0	0	0	0	1	2	5	11	11
...Prostate	0	0	0	0	0	0	0	0	0	0	0
...Urinary tract	205	0	1	2	0	0	0	1	0	1	0
...Non-Hodgkin's lymphoma	181	0	0	0	0	0	0	0	0	1	2
...Leukemia	219	0	1	2	2	1	1	3	1	5	1
...Other malignant neoplasms	1,483	0	4	4	3	5	3	6	4	14	17
Diabetes mellitus	727	0	0	0	0	1	0	1	6	6	17
Alzheimer's disease	1,826	0	0	0	0	0	0	0	0	0	0
Parkinson's disease	281	0	0	0	0	0	0	0	0	0	0
Diseases of heart	6,884	3	0	0	1	3	7	11	20	36	43
Essential hypertension	378	0	0	0	0	0	0	1	0	0	2
Cerebrovascular diseases	1,769	0	0	1	0	0	2	1	1	4	11
Influenza and pneumonia	829	1	0	1	0	0	2	3	0	5	8
Chronic lower respiratory disease	2,060	0	1	0	1	0	1	1	2	4	8
Pneumonitis due to solids and liquids	239	0	0	0	0	0	0	1	0	2	0
Chronic liver disease and cirrhosis	279	0	0	0	0	0	0	2	7	9	14
Nephritis and nephrosis	757	1	0	0	0	0	0	0	3	5	2
Perinatal conditions	102	100	1	0	0	0	0	1	0	0	0
Congenital anomalies	104	47	3	1	1	2	1	2	5	1	1
Symptoms and ill-defined conditions	272	16	4	0	0	2	2	1	4	5	3
All other diseases	5,686	12	4	4	3	10	20	18	43	44	59
Unintentional injuries	1,499	23	13	7	3	28	64	100	94	107	76
...Motor vehicle crashes	289	0	5	3	1	22	28	24	32	24	15
...Falls	425	0	0	0	0	1	1	0	1	0	2
...Accidental poisoning	501	0	0	0	0	3	34	67	59	80	56
...Other unintentional injuries	284	23	8	4	2	2	1	9	2	3	3
Suicide	269	0	0	0	5	20	18	25	21	26	13
Homicide	145	9	6	5	1	6	13	18	18	16	12
All other external causes	70	1	0	0	1	1	2	4	1	6	3

**Table 21C. Female Resident Deaths by Selected Causes by Age Groups: Missouri, 2018**

	45-49	50-54	55-59	60-64	65-69	70-74	75-79	80-84	85+	Unknown
All causes	538	878	1,466	1,965	2,349	2,925	3,468	3,954	11,581	0
Enterocolitis due to Clostridium difficile	1	1	3	6	9	7	15	13	27	0
Septicemia	7	15	18	40	50	54	61	52	136	0
HIV / AIDS	2	1	1	1	1	1	0	0	0	0
Malignant neoplasms	123	283	488	669	764	870	876	733	1,068	0
...Colon, rectum, and anus	9	29	42	56	45	54	72	68	131	0
...Pancreas	8	18	30	44	56	57	64	58	68	0
...Trachea, bronchus, and lung	16	70	137	200	245	294	266	213	187	0
...Breast	38	47	78	86	94	106	95	86	153	0
...Cervix uteri, corpus uteri, and ovary	17	35	66	74	84	82	80	44	69	0
...Prostate	0	0	0	0	0	0	0	0	0	0
...Urinary tract	3	6	3	15	18	28	37	34	56	0
...Non-Hodgkin's lymphoma	1	3	7	11	15	22	35	31	53	0
...Leukemia	2	3	6	14	23	25	40	28	61	0
...Other malignant neoplasms	29	72	119	169	184	202	187	171	290	0
Diabetes mellitus	16	26	46	73	83	99	75	93	185	0
Alzheimer's disease	0	0	3	11	31	64	165	267	1,285	0
Parkinson's disease	0	1	1	0	14	27	43	62	133	0
Diseases of heart	97	144	261	384	431	589	687	898	3,269	0
Essential hypertension	1	5	10	13	22	13	35	50	226	0
Cerebrovascular diseases	24	25	53	67	86	154	193	286	861	0
Influenza and pneumonia	9	14	30	34	48	64	79	105	426	0
Chronic lower respiratory disease	18	39	85	151	229	294	335	357	534	0
Pneumonitis due to solids and liquids	3	6	7	14	14	20	25	31	116	0
Chronic liver disease and cirrhosis	11	34	46	38	27	32	28	12	19	0
Nephritis and nephrosis	11	15	31	39	64	83	89	119	295	0
Perinatal conditions	0	0	0	0	0	0	0	0	0	0
Congenital anomalies	1	4	11	6	5	5	2	2	4	0
Symptoms and ill-defined conditions	7	9	12	12	14	19	23	26	113	0
All other diseases	98	131	217	302	383	439	644	711	2,544	0
Unintentional injuries	71	83	98	77	58	66	80	127	324	0
...Motor vehicle crashes	19	16	22	22	13	12	14	9	8	0
...Falls	2	5	9	12	9	31	38	86	228	0
...Accidental poisoning	43	50	54	33	14	3	3	1	1	0
...Other unintentional injuries	7	12	13	10	22	20	25	31	87	0
Suicide	21	32	36	19	10	13	3	5	2	0
Homicide	9	5	9	6	4	4	2	1	1	0
All other external causes	8	5	5	3	2	8	8	4	13	0



Graph E. Resident Infant Deaths per 1,000 Live Births: Missouri, 1960-2018



Year	Infant Deaths	Rate	Year	Infant Deaths	Rate
1960	2,414	24.7	1985	784	10.2
1965	2,060	25.4	1990	746	9.4
1970	1,580	19.6	1995	539	7.4
1975	1,123	16.4	2000	547	7.2
1980	970	12.3	2005	588	7.5
			2010	504	6.6
			2015	489	6.5
			2016	490	6.6
			2017	455	6.2
			2018	459	6.3

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2018**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	683	459	408	275	184	23
<b>Counties</b>						
Adair	1	1	0	1	0	0
Andrew	0	2	0	0	2	0
Atchison	2	0	2	0	0	0
Audrain	4	3	2	2	1	1
Barry	8	4	4	4	0	0
Barton	1	0	1	0	0	0
Bates	2	1	1	1	0	0
Benton	1	0	1	0	0	0
Bollinger	2	0	2	0	0	0
Boone	12	12	3	9	3	1
Buchanan	7	5	4	3	2	1
Butler	3	3	1	2	1	1
Caldwell	0	0	0	0	0	0
Callaway	2	0	2	0	0	0
Camden	5	4	4	1	3	0
Cape Girardeau	7	9	3	4	5	0
Carroll	1	1	1	0	1	0
Carter	3	1	2	1	0	0
Cass	9	7	4	5	2	0
Cedar	2	0	2	0	0	0
Chariton	0	1	0	0	1	0
Christian	6	8	4	2	6	0
Clark	1	1	0	1	0	0
Clay	23	19	10	13	6	1
Clinton	1	0	1	0	0	0
Cole	10	7	6	4	3	1
Cooper	1	1	0	1	0	0
Crawford	4	1	3	1	0	0
Dade	1	1	0	1	0	0
Dallas	2	2	2	0	2	0
Davies	2	1	1	1	0	0
Dekalb	4	2	2	2	0	0
Dent	0	1	0	0	1	0
Douglas	1	0	1	0	0	0
Dunklin	1	3	1	0	3	0
Franklin	11	9	6	5	4	2

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	1	0	1	0	0	0
Gentry	1	1	1	0	1	0
Greene	42	17	32	10	7	0
Grundy	2	3	0	2	1	0
Harrison	1	0	1	0	0	0
Henry	2	0	2	0	0	0
Hickory	0	1	0	0	1	0
Holt	0	0	0	0	0	0
Howard	1	1	0	1	0	0
Howell	5	5	3	2	3	0
Iron	0	0	0	0	0	0
Jackson	89	66	51	38	28	2
Jasper	16	11	10	6	5	2
Jefferson	22	18	9	13	5	0
Johnson	2	1	2	0	1	0
Knox	0	0	0	0	0	0
Laclede	3	4	1	2	2	0
Lafayette	1	0	1	0	0	0
Lawrence	4	5	3	1	4	0
Lewis	1	0	1	0	0	0
Lincoln	9	6	4	5	1	1
Linn	1	2	0	1	1	0
Livingston	3	2	1	2	0	0
Macon	1	1	0	1	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	1	2	0	1	1	0
McDonald	2	2	2	0	2	1
Mercer	0	0	0	0	0	0
Miller	6	1	5	1	0	0
Mississippi	1	4	0	1	3	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	2	1	1	1	0	0
New Madrid	2	2	1	1	1	0
Newton	8	5	6	2	3	1
Nodaway	0	0	0	0	0	0

**Table 22A. Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2018**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	1	0	1	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	2	0	2	0	0	1
Perry	2	1	2	0	1	0
Pettis	2	0	2	0	0	0
Phelps	8	6	3	5	1	0
Pike	4	3	2	2	1	1
Platte	11	7	8	3	4	0
Polk	1	1	1	0	1	0
Pulaski	6	5	3	3	2	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	1	1	1	0	1	0
Ray	1	0	1	0	0	0
Reynolds	0	1	0	0	1	0
Ripley	0	0	0	0	0	0
Saline	3	1	2	1	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	4	3	3	1	2	0
Shannon	1	0	1	0	0	0
Shelby	0	0	0	0	0	0
St. Charles	41	24	27	14	10	1
St. Clair	0	0	0	0	0	0
St. Francois	4	3	2	2	1	0
St. Louis City	49	36	30	19	17	0
St. Louis County	134	72	81	53	19	5
Ste. Genevieve	0	0	0	0	0	0
Stoddard	2	0	2	0	0	0
Stone	2	2	0	2	0	0
Sullivan	1	1	0	1	0	0
Taney	9	5	4	5	0	0
Texas	7	4	3	4	0	0
Vernon	2	1	2	0	1	0
Warren	2	2	1	1	1	0
Washington	5	4	4	1	3	0
Wayne	0	1	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	4	1	3	1	0	0
Worth	0	0	0	0	0	0
Wright	2	3	0	2	1	0
Unknown	3	0	3	0	0	0
Cities w/25k Pop.						
Ballwin	3	2	1	2	0	0
Blue Springs	5	3	2	3	0	1
Cape Girardeau	5	5	2	3	2	0
Chesterfield	5	5	2	3	2	0
Columbia	7	8	2	5	3	1
Florissant	4	3	2	2	1	0
Gladstone	5	5	1	4	1	1
Hazelwood	4	2	3	1	1	0
Independence	15	13	7	8	5	0
Jefferson City	5	5	2	3	2	1
Kirkwood	3	0	3	0	0	0
Lee's Summit	7	2	6	1	1	0
Liberty	3	3	1	2	1	0
Maryland Heights	2	1	1	1	0	0
O'Fallon	7	4	4	3	1	0
Raytown	4	3	1	3	0	0
St. Charles	2	4	1	1	3	0
St. Joseph	7	5	4	3	2	0
St. Louis City	49	36	30	19	17	0
St. Peters	7	5	4	3	2	0
Springfield	28	13	20	8	5	0
University City	4	1	3	1	0	0
Wentzville	9	4	6	3	1	0
Wildwood	2	0	2	0	0	0
Multi-County Cities						
Joplin	4	2	3	1	1	1
...Jasper Co. Part	4	2	3	1	1	1
...Newton Co. Part	0	0	0	0	0	0
Kansas City	62	45	40	22	23	0
...Jackson Co. Part	48	30	34	14	16	0
...Clay Co. Part	9	8	4	5	3	0
...Plate Co. Part	5	7	2	3	4	0
...Cass Co. Part	0	0	0	0	0	0

**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2018**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	420	290	254	166	124	16
<b>Counties</b>						
Adair	1	1	0	1	0	0
Andrew	0	2	0	0	2	0
Atchison	2	0	2	0	0	0
Audrain	3	2	2	1	1	1
Barry	7	4	3	4	0	0
Barton	1	0	1	0	0	0
Bates	2	1	1	1	0	0
Benton	1	0	1	0	0	0
Bollinger	2	0	2	0	0	0
Boone	6	5	2	4	1	0
Buchanan	3	3	2	1	2	1
Butler	3	3	1	2	1	1
Caldwell	0	0	0	0	0	0
Callaway	2	0	2	0	0	0
Camden	5	4	4	1	3	0
Cape Girardeau	3	3	2	1	2	0
Carroll	1	1	1	0	1	0
Carter	2	1	1	1	0	0
Cass	7	4	4	3	1	0
Cedar	2	0	2	0	0	0
Chariton	0	1	0	0	1	0
Christian	6	8	4	2	6	0
Clark	1	1	0	1	0	0
Clay	11	7	7	4	3	0
Clinton	1	0	1	0	0	0
Cole	5	3	4	1	2	1
Cooper	0	0	0	0	0	0
Crawford	4	1	3	1	0	0
Dade	1	1	0	1	0	0
Dallas	2	2	2	0	2	0
Davies	1	1	0	1	0	0
Dekalb	3	2	1	2	0	0
Dent	0	1	0	0	1	0
Douglas	1	0	1	0	0	0
Dunklin	0	3	0	0	3	0
Franklin	11	9	6	5	4	2

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	1	1	1	0	1	0
Greene	34	14	25	9	5	0
Grundy	1	2	0	1	1	0
Harrison	1	0	1	0	0	0
Henry	1	0	1	0	0	0
Hickory	0	1	0	0	1	0
Holt	0	0	0	0	0	0
Howard	1	1	0	1	0	0
Howell	5	5	3	2	3	0
Iron	0	0	0	0	0	0
Jackson	34	31	16	18	13	1
Jasper	11	8	7	4	4	2
Jefferson	20	15	8	12	3	0
Johnson	2	1	2	0	1	0
Knox	0	0	0	0	0	0
Laclede	3	4	1	2	2	0
Lafayette	1	0	1	0	0	0
Lawrence	3	4	3	0	4	0
Lewis	1	0	1	0	0	0
Lincoln	9	6	4	5	1	1
Linn	1	2	0	1	1	0
Livingston	3	2	1	2	0	0
Macon	1	1	0	1	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	1	2	0	1	1	0
McDonald	2	1	2	0	1	1
Mercer	0	0	0	0	0	0
Miller	6	1	5	1	0	0
Mississippi	1	3	0	1	2	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	2	1	1	1	0	0
New Madrid	1	1	1	0	1	0
Newton	7	5	5	2	3	0
Nodaway	0	0	0	0	0	0

**Table 22B. White Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by County and Cities w/25,000 or More Population: Missouri, 2018**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	1	0	1	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	1	0	1	0	0	1
Perry	2	1	2	0	1	0
Pettis	2	0	2	0	0	0
Phelps	8	5	3	5	0	0
Pike	4	3	2	2	1	1
Platte	7	2	6	1	1	0
Polk	1	1	1	0	1	0
Pulaski	5	5	2	3	2	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	1	1	1	0	1	0
Ray	0	0	0	0	0	0
Reynolds	0	1	0	0	1	0
Ripley	0	0	0	0	0	0
Saline	1	0	1	0	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	4	3	3	1	2	0
Shannon	1	0	1	0	0	0
Shelby	0	0	0	0	0	0
St. Charles	29	17	19	10	7	0
St. Clair	0	0	0	0	0	0
St. Francois	4	3	2	2	1	0
St. Louis City	15	10	10	5	5	0
St. Louis County	47	31	26	21	10	3
Ste. Genevieve	0	0	0	0	0	0
Stoddard	1	0	1	0	0	0
Stone	2	2	0	2	0	0
Sullivan	0	0	0	0	0	0
Taney	8	4	4	4	0	0
Texas	6	3	3	3	0	0
Vernon	2	1	2	0	1	0
Warren	2	2	1	1	1	0
Washington	5	4	4	1	3	0
Wayne	0	1	0	0	1	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	4	1	3	1	0	0
Worth	0	0	0	0	0	0
Wright	2	3	0	2	1	0
Unknown	2	0	2	0	0	0
Cities w/25k Pop.						
Ballwin	1	0	1	0	0	0
Blue Springs	3	2	1	2	0	0
Cape Girardeau	1	0	1	0	0	0
Chesterfield	1	2	1	0	2	0
Columbia	2	2	1	1	1	0
Florissant	1	1	0	1	0	0
Gladstone	0	1	0	0	1	0
Hazelwood	1	1	0	1	0	0
Independence	7	8	3	4	4	0
Jefferson City	0	1	0	0	1	1
Kirkwood	2	0	2	0	0	0
Lee's Summit	7	2	6	1	1	0
Liberty	2	2	0	2	0	0
Maryland Heights	0	0	0	0	0	0
O'Fallon	6	4	3	3	1	0
Raytown	1	1	0	1	0	0
St. Charles	2	4	1	1	3	0
St. Joseph	3	3	2	1	2	0
St. Louis City	15	10	10	5	5	0
St. Peters	6	4	4	2	2	0
Springfield	22	11	14	8	3	0
University City	0	0	0	0	0	0
Wentzville	4	1	3	1	0	0
Wildwood	2	0	2	0	0	0
Multi-County Cities						
Joplin	1	0	1	0	0	1
...Jasper Co. Part	1	0	1	0	0	1
...Newton Co. Part	0	0	0	0	0	0
Kansas City	13	9	10	3	6	0
...Jackson Co. Part	7	6	5	2	4	0
...Clay Co. Part	4	1	4	0	1	0
...Plate Co. Part	2	2	1	1	1	0
...Cass Co. Part	0	0	0	0	0	0

**Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2018**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
<b>State Total</b>	176	109	111	65	44	5
<b>Counties</b>						
Adair	0	0	0	0	0	0
Andrew	0	0	0	0	0	0
Atchison	0	0	0	0	0	0
Audrain	0	0	0	0	0	0
Barry	0	0	0	0	0	0
Barton	0	0	0	0	0	0
Bates	0	0	0	0	0	0
Benton	0	0	0	0	0	0
Bollinger	0	0	0	0	0	0
Boone	1	2	1	0	2	0
Buchanan	1	0	1	0	0	0
Butler	0	0	0	0	0	0
Caldwell	0	0	0	0	0	0
Callaway	0	0	0	0	0	0
Camden	0	0	0	0	0	0
Cape Girardeau	3	4	1	2	2	0
Carroll	0	0	0	0	0	0
Carter	0	0	0	0	0	0
Cass	1	1	0	1	0	0
Cedar	0	0	0	0	0	0
Chariton	0	0	0	0	0	0
Christian	0	0	0	0	0	0
Clark	0	0	0	0	0	0
Clay	4	5	0	4	1	1
Clinton	0	0	0	0	0	0
Cole	4	3	2	2	1	0
Cooper	0	0	0	0	0	0
Crawford	0	0	0	0	0	0
Dade	0	0	0	0	0	0
Dallas	0	0	0	0	0	0
Davies	0	0	0	0	0	0
Dekalb	0	0	0	0	0	0
Dent	0	0	0	0	0	0
Douglas	0	0	0	0	0	0
Dunklin	1	0	1	0	0	0
Franklin	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Maternal Deaths
Gasconade	0	0	0	0	0	0
Gentry	0	0	0	0	0	0
Greene	0	0	0	0	0	0
Grundy	0	0	0	0	0	0
Harrison	0	0	0	0	0	0
Henry	0	0	0	0	0	0
Hickory	0	0	0	0	0	0
Holt	0	0	0	0	0	0
Howard	0	0	0	0	0	0
Howell	0	0	0	0	0	0
Iron	0	0	0	0	0	0
Jackson	42	22	31	11	11	0
Jasper	0	1	0	0	1	0
Jefferson	0	1	0	0	1	0
Johnson	0	0	0	0	0	0
Knox	0	0	0	0	0	0
Laclede	0	0	0	0	0	0
Lafayette	0	0	0	0	0	0
Lawrence	0	0	0	0	0	0
Lewis	0	0	0	0	0	0
Lincoln	0	0	0	0	0	0
Linn	0	0	0	0	0	0
Livingston	0	0	0	0	0	0
Macon	0	0	0	0	0	0
Madison	0	0	0	0	0	0
Maries	0	0	0	0	0	0
Marion	0	0	0	0	0	0
McDonald	0	0	0	0	0	0
Mercer	0	0	0	0	0	0
Miller	0	0	0	0	0	0
Mississippi	0	1	0	0	1	0
Moniteau	0	0	0	0	0	0
Monroe	0	0	0	0	0	0
Montgomery	0	0	0	0	0	0
Morgan	0	0	0	0	0	0
New Madrid	1	1	0	1	0	0
Newton	0	0	0	0	0	1
Nodaway	0	0	0	0	0	0

**Table 22C. Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths  
by County and Cities w/25,000 or More Population: Missouri, 2018**

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Oregon	0	0	0	0	0	0
Osage	0	0	0	0	0	0
Ozark	0	0	0	0	0	0
Pemiscot	1	0	1	0	0	0
Perry	0	0	0	0	0	0
Pettis	0	0	0	0	0	0
Phelps	0	0	0	0	0	0
Pike	0	0	0	0	0	0
Platte	2	3	1	1	2	0
Polk	0	0	0	0	0	0
Pulaski	0	0	0	0	0	0
Putnam	0	0	0	0	0	0
Ralls	0	0	0	0	0	0
Randolph	0	0	0	0	0	0
Ray	0	0	0	0	0	0
Reynolds	0	0	0	0	0	0
Ripley	0	0	0	0	0	0
Saline	1	0	1	0	0	0
Schuyler	0	0	0	0	0	0
Scotland	0	0	0	0	0	0
Scott	0	0	0	0	0	0
Shannon	0	0	0	0	0	0
Shelby	0	0	0	0	0	0
St. Charles	6	5	3	3	2	1
St. Clair	0	0	0	0	0	0
St. Francois	0	0	0	0	0	0
St. Louis City	33	25	20	13	12	0
St. Louis County	75	35	48	27	8	2
Ste. Genevieve	0	0	0	0	0	0
Stoddard	0	0	0	0	0	0
Stone	0	0	0	0	0	0
Sullivan	0	0	0	0	0	0
Taney	0	0	0	0	0	0
Texas	0	0	0	0	0	0
Vernon	0	0	0	0	0	0
Warren	0	0	0	0	0	0
Washington	0	0	0	0	0	0
Wayne	0	0	0	0	0	0

	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
Webster	0	0	0	0	0	0
Worth	0	0	0	0	0	0
Wright	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
Cities w/25k Pop.						
Ballwin	1	1	0	1	0	0
Blue Springs	1	0	1	0	0	0
Cape Girardeau	3	4	1	2	2	0
Chesterfield	4	3	1	3	0	0
Columbia	1	2	1	0	2	0
Florissant	3	2	2	1	1	0
Gladstone	4	4	0	4	0	1
Hazelwood	3	1	3	0	1	0
Independence	4	3	2	2	1	0
Jefferson City	4	3	2	2	1	0
Kirkwood	0	0	0	0	0	0
Lee's Summit	0	0	0	0	0	0
Liberty	0	0	0	0	0	0
Maryland Heights	1	0	1	0	0	0
O'Fallon	0	0	0	0	0	0
Raytown	2	1	1	1	0	0
St. Charles	0	0	0	0	0	0
St. Joseph	1	0	1	0	0	0
St. Louis City	33	25	20	13	12	0
St. Peters	0	0	0	0	0	0
Springfield	0	0	0	0	0	0
University City	4	1	3	1	0	0
Wentzville	4	3	2	2	1	0
Wildwood	0	0	0	0	0	0
Multi-County Cities						
Joplin	0	1	0	0	1	0
...Jasper Co. Part	0	1	0	0	1	0
...Newton Co. Part	0	0	0	0	0	0
Kansas City	36	21	28	8	13	0
...Jackson Co. Part	34	17	27	7	10	0
...Clay Co. Part	0	1	0	0	1	0
...Platte Co. Part	2	3	1	1	2	0
...Cass Co. Part	0	0	0	0	0	0

**Table 22D. Resident Perinatal, Infant, Fetal, Neonatal, and Post-Neonatal Deaths  
by Resident BRFSS Region with Rates per 1,000 Live Births: Missouri, 2018**

	<u>Number</u>					<u>Rates</u>				
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post- Neonatal Deaths
State Total	683	459	408	275	184	9.3	6.3	5.6	3.8	2.5
<u>BRFSS Regions</u>										
Northeast	20	19	7	13	6	6.7	6.3*	2.3*	4.3*	2.0*
Northwest	20	13	14	6	7	7.1	4.6*	4.9*	2.1*	2.5*
Central	69	50	38	31	19	8.1	5.8	4.4	3.6	2.2*
Southeast	49	43	29	20	23	7.3	6.4	4.3	3.0	3.4
Southwest	113	66	79	34	32	9.9	5.8	6.9	3.0	2.8
St. Louis Metro	272	168	161	111	57	10.9	6.7	6.4	4.4	2.3
Kansas City Metro	137	100	77	60	40	8.7	6.4	4.9	3.8	2.5
Metro	533	354	320	213	141	9.6	6.4	5.8	3.8	2.5
Non-Metro	147	105	85	62	43	8.2	5.9	4.7	3.5	2.4
Unknown	3	0	3	0	0	0.0*	0.0*	0.0*	0.0*	0.0*

\*-Rate is unstable due to inclusion of fewer than 20 events.



**Table 22E. White Non-Hispanic and Black Non-Hispanic Resident Perinatal, Infant, Fetal, Neonatal, Post-Neonatal, and Maternal Deaths by Resident BRFSS Region: Missouri, 2018**

	<u>White Non-Hispanic</u>						<u>Black Non-Hispanic</u>					
	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths	Perinatal Deaths	Infant Deaths	Fetal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Maternal Deaths
<b>State Total</b>	420	290	254	166	124	16	176	109	111	65	44	5
<b><u>BRFSS Regions</u></b>												
Northeast	16	16	6	10	6	1	1	0	1	0	0	0
Northwest	14	11	10	4	7	1	1	0	1	0	0	0
Central	54	36	33	21	15	2	5	5	3	2	3	0
Southeast	39	34	24	15	19	2	6	6	3	3	3	0
Southwest	95	57	66	29	28	3	0	1	0	0	1	1
St. Louis Metro	137	91	77	60	31	6	114	66	71	43	23	3
Kansas City Metro	63	45	36	27	18	1	49	31	32	17	14	1
Metro	291	196	178	113	83	12	172	107	108	64	43	5
Non-Metro	127	94	74	53	41	4	4	2	3	1	1	0
Unknown	2	0	2	0	0	0	0	0	0	0	0	0

**Table 23. Resident Infant Deaths and Rates per 1,000 Live Births  
by Cause of Death by Race and by Age at Death: Missouri, 2018**

	Number	Rate	Neonatal Deaths	Post- Neonatal Deaths	Under 1 Hour	Over 1 Hour, < 1 Day	Over 1 Day, < 7 Days	Over 7 Days, < 28 Days	Over 28 Days, < 3 Months	Over 3 Months, < 6 Months	Over 6 Months, < 1 Year
<u>All Causes</u>	290	5.4	166	124	32	75	30	29	51	48	25
White	109	10.3	65	44	4	35	16	10	20	17	7
Black	459	6.3	275	184	43	131	53	48	77	72	35
Total	14	0.3	7	7	0	0	0	7	4	1	2
<u>Infectious Diseases (A00-B99, P35-P39)</u>	5	0.5	2	3	0	0	0	2	3	0	0
White	21	0.3	11	10	0	0	1	10	7	1	2
Black	7	0.1	2	5	0	0	2	0	2	2	1
Total	0	0.0	0	0	0	0	0	0	0	0	0
<u>Nervous System Diseases (G00-G98)</u>	7	0.1	2	5	0	0	2	0	2	2	1
White	7	0.1	0	7	0	0	0	0	1	5	1
Black	1	0.1	0	1	0	0	0	0	0	1	0
Total	9	0.1	0	9	0	0	0	0	1	6	2
<u>Respiratory System Diseases (J00-J99)</u>	4	0.1	0	4	0	0	0	0	1	3	0
White	3	0.3	0	3	0	0	0	0	2	1	0
Black	8	0.1	0	8	0	0	0	0	4	4	0
Total	100	1.9	96	4	24	50	13	9	0	3	1
<u>Perinatal Conditions (P00-P34, P40-P96)</u>	57	5.4	52	5	3	32	13	4	1	3	1
White	194	2.6	183	11	33	101	30	19	1	8	2
Black	79	1.5	48	31	8	23	13	4	15	8	8
Total	12	1.1	8	4	1	3	3	1	2	1	1
<u>Congenital Anomalies (Q00-Q99)</u>	100	1.4	63	37	10	28	18	7	18	9	10
White	16	0.3	1	15	0	0	0	1	7	8	0
Black	4	0.4	1	3	0	0	0	1	0	3	0
Total	22	0.3	2	20	0	0	0	2	8	11	1
<u>Sudden Infant Death Syndrome (R95)</u>	33	0.6	4	29	0	0	0	4	15	9	5
White	14	1.3	1	13	0	0	0	1	7	5	1
Black	51	0.7	5	46	0	0	0	5	22	18	6
Total	8	0.1	2	6	0	1	0	1	3	3	0
<u>Unintentional Injuries (V01-X59)</u>	2	0.2	0	2	0	0	0	0	0	1	1
White	12	0.2	2	10	0	1	0	1	5	4	1
Black	22	0.4	6	16	0	1	2	3	3	6	7
Total	11	1.0	1	10	0	0	0	1	5	2	3
<u>Homicide (X85-Y09)</u>	35	0.5	7	28	0	1	2	4	9	9	10
All Other Causes											

**Table 24. Resident Infant Deaths and Rates per 1,000 Live Births  
by Age of Mother by Birth Order: Missouri, 2018**

	Birth Order					Rates				
	All Orders	1st	2nd or 3rd	4th or 5th	6th or More	All Orders	1st	2nd or 3rd	4th or 5th	6th or More
All Ages	462	117	204	92	49	6.3	5.4	6.0	7.4	8.9
Under 18	11	9	1	1	0	10.9*	9.9*	10.6*	142.9*	0
18-19	24	16	6	2	0	7.7	6.9*	7.7*	50.0*	0.0*
20-24	108	36	57	14	1	6.6	5.3	7.3	9.2*	3.4*
25-29	138	25	72	25	16	5.9	3.8	6.3	6.2	12.1*
30-34	101	23	39	28	11	5.2	6.0	4.1	6.7	5.9*
35-39	64	6	23	17	18	7.6	5.9*	6.2	7.6*	11.8*
40 and Over	16	2	6	5	3	9.8*	11.0*	10.9*	12.0*	6.1*

**Table 25. Resident Infant Deaths and Rates per 1,000 Live Births  
by Birth Weight by Race of Mother: Missouri, 2018**

	Mother's Race			Rates		
	All Races	White	Black	All Races	White	Black
All Weights	462	294	112	6.3	5.5	10.6
Under 500 Grams	110	56	36	827.1	811.6	857.1
500-999 Grams	69	38	25	215.6	223.5	227.3
1,000-1,499 Grams	31	19	8	55.7	56.9*	47.9*
1,500-1,999 Grams	29	18	4	22.2	22.7*	11.0*
2,000-2,499 Grams	43	30	9	10.5	11.8	9.0*
2,500-2,999 Grams	66	49	13	4.9	5.7	4.5*
3,000-3,499 Grams	57	39	10	2.1	1.9	2.6*
3,500-3,999 Grams	41	34	6	2.1	2.2	3.5*
4,000 or More Grams	10	8	0	1.7*	1.6*	0.0*

**Table 26A. Resident Deaths by Selected Causes of Death by Race and Hispanic Origin  
With Rates per 100,000 Residents: Missouri, 2018**

	Total Crude Rate	Total Age-Adjusted Rate*	All Races	White, Non-Hisp.	Black, Non-Hisp.	Hispanic, Any Race	Other Races
All causes	1,030.1	823.0	63,110	54,692	6,940	624	805
Enterocolitis due to Clostridium difficile	2.2	1.7	133	117	13	2	1
Septicemia	14.4	11.2	881	729	135	5	11
HIV / AIDS	1.2	1.1	71	34	34	0	2
Malignant neoplasms	212.8	165.2	13,038	11,373	1,359	126	175
...Colon, rectum, and anus	18.8	14.9	1,149	1,004	123	10	10
...Pancreas	15.0	11.6	916	802	97	4	13
...Trachea, bronchus, and lung	58.1	44.3	3,561	3,174	329	21	36
...Breast	13.4	10.6	822	682	115	7	17
...Cervix uteri, corpus uteri, and ovary	9.5	7.5	581	483	75	13	10
...Prostate	9.7	7.4	592	474	102	7	9
...Urinary tract	11.6	9.0	708	649	49	3	7
...Non-Hodgkin's lymphoma	6.9	5.4	423	376	32	9	6
...Leukemia	8.4	6.7	512	461	40	4	7
...Other malignant neoplasms	61.6	47.9	3,774	3,268	397	48	60
Diabetes mellitus	26.2	20.8	1,606	1,337	217	22	28
Alzheimer's disease	43.1	32.9	2,640	2,410	187	20	23
Parkinson's disease	11.7	9.2	719	681	25	4	9
Diseases of heart	243.0	188.3	14,888	13,042	1,597	88	148
Essential hypertension	9.9	7.6	608	503	87	9	9
Cerebrovascular diseases	49.6	38.5	3,039	2,600	359	32	46
Influenza and pneumonia	24.1	18.7	1,477	1,357	94	6	17
Chronic lower respiratory disease	64.9	50.1	3,978	3,695	236	15	29
Pneumonitis due to solids and liquids	9.5	7.4	583	539	38	2	4
Chronic liver disease and cirrhosis	11.7	9.6	718	640	46	14	18
Nephritis and nephrosis	24.5	19.1	1,504	1,232	231	12	26
Conditions orig. in perinatal period	3.4	3.9	207	107	60	23	17
Congenital anomalies	3.5	3.5	212	182	21	5	4
Symptoms and ill-defined conditions	8.3	7.0	511	427	67	3	14
All other diseases	167.3	131.8	10,250	8,955	1,056	113	120
Unintentional injuries	64.9	61.6	3,975	3,251	583	76	57
...Motor vehicle crashes	15.6	15.2	956	764	144	28	19
...Falls	13.0	10.1	797	755	25	7	10
...Accidental poisoning	24.8	26.1	1,522	1,144	328	23	21
...Other unintentional injuries	11.4	10.1	700	588	86	18	7
Suicide	20.1	19.5	1,230	1,092	75	28	34
Homicide	10.7	11.4	657	231	398	14	13
All other external causes	3.0	2.7	185	158	22	5	0

\*United States 2000 population distribution used as the standard for age-adjusted death rates.

**Table 26B. Resident Deaths by Selected Causes of Death by BRFSS Region and Metro/Non-Metro Area: Missouri, 2018**

	BRFSS Region									
	Central	Kansas City	Northeast	Northwest	St. Louis	Southeast	Southwest	Metro	Non-Metro	
All causes	7,112	11,247	2,910	2,448	21,453	7,514	10,425	44,400	18,709	
Enterocolitis due to Clostridium difficile	12	17	3	4	50	18	29	104	29	
Septicemia	90	148	61	39	307	97	139	619	262	
HIV / AIDS	6	17	3	0	35	4	5	56	14	
Malignant neoplasms	1,475	2,344	613	469	4,433	1,574	2,130	9,101	3,937	
....Colon, rectum, and anus	113	210	56	44	363	165	198	775	374	
....Pancreas	91	166	32	33	348	91	155	664	252	
....Trachea, bronchus, and lung	438	611	167	130	1,163	494	558	2,411	1,150	
....Breast	86	142	38	22	312	91	131	611	211	
....Cervix uteri, corpus uteri, and ovary	50	112	25	19	227	57	91	442	139	
....Prostate	66	105	27	26	204	69	95	416	176	
....Urinary tract	71	136	33	24	253	88	103	510	198	
....Non-Hodgkin's lymphoma	57	76	21	13	134	49	73	295	128	
....Leukemia	67	92	30	21	171	43	88	362	150	
....Other malignant neoplasms	436	694	184	137	1,258	427	638	2,615	1,159	
Diabetes mellitus	273	243	106	94	460	177	253	1,048	558	
Alzheimer's disease	222	284	89	90	1,124	342	489	1,949	691	
Parkinson's disease	74	130	23	33	251	79	129	545	174	
Diseases of heart	1,567	2,473	706	616	5,052	1,833	2,641	10,197	4,691	
Essential hypertension	139	113	39	21	188	52	56	417	191	
Cerebrovascular diseases	323	511	165	117	1,083	362	478	2,119	920	
Influenza and pneumonia	193	235	78	58	454	194	265	987	490	
Chronic lower respiratory disease	537	725	189	171	986	616	754	2,543	1,435	
Pneumonitis due to solids and liquids	65	116	28	57	201	53	63	402	181	
Chronic liver disease and cirrhosis	86	120	25	15	222	91	159	502	216	
Nephritis and nephrosis	156	312	86	52	439	213	246	1,041	463	
Conditions orig. in perinatal period	17	48	8	5	93	13	23	172	35	
Congenital anomalies	21	38	12	10	80	21	30	149	63	
Symptoms and ill-defined conditions	81	86	30	33	135	72	74	340	171	
All other diseases	1,153	2,127	451	368	3,429	1,124	1,598	7,520	2,730	
Unintentional injuries	425	684	122	117	1,681	375	571	2,995	980	
....Motor vehicle crashes	126	181	52	51	269	102	175	610	346	
....Falls	63	163	22	19	365	56	109	644	153	
....Accidental poisoning	133	210	23	21	863	113	159	1,287	235	
....Other unintentional injuries	103	130	25	26	184	104	128	454	246	
Suicide	136	268	58	62	360	139	207	888	342	
Homicide	42	180	8	11	327	42	47	578	79	
All other external causes	19	28	7	6	63	23	39	128	57	

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Adair	Andrew	Atchison	Audrain	Barry	Barton	Bates
All causes	213	159	71	310	455	122	185
Enterocolitis due to Clostridium difficile	0	0	0	0	2	0	0
Septicemia	4	3	2	7	5	4	1
HIV / AIDS	0	0	0	0	1	0	0
Malignant neoplasms	43	30	15	55	91	25	40
...Colon, rectum, and anus	3	2	1	8	13	4	1
...Pancreas	3	2	5	2	6	3	3
...Trachea, bronchus, and lung	10	7	1	19	20	5	9
...Breast	2	3	0	1	3	1	4
...Cervix uteri, corpus uteri, and ovary	0	1	1	3	6	0	4
...Prostate	1	2	1	2	4	5	1
...Urinary tract	4	1	0	2	5	1	4
...Non-Hodgkin's lymphoma	1	0	1	4	3	1	0
...Leukemia	3	1	0	0	1	0	3
...Other malignant neoplasms	16	11	5	14	30	5	11
Diabetes mellitus	10	3	6	8	14	1	6
Alzheimer's disease	7	8	1	6	19	5	11
Parkinson's disease	0	3	1	2	5	1	0
Diseases of heart	52	37	14	56	124	35	39
Essential hypertension	4	3	1	14	0	0	1
Cerebrovascular diseases	11	5	6	16	14	6	15
Influenza and pneumonia	7	4	2	12	12	8	8
Chronic lower respiratory disease	18	12	5	25	44	11	21
Pneumonitis due to solids and liquids	2	1	3	6	2	0	1
Chronic liver disease and cirrhosis	3	0	1	5	11	2	2
Nephritis and nephrosis	6	3	0	6	13	2	6
Conditions orig. in perinatal period	1	0	0	1	1	0	1
Congenital anomalies	0	0	0	1	3	1	1
Symptoms and ill-defined conditions	0	6	2	5	1	1	0
All other diseases	37	30	11	64	51	16	13
Unintentional injuries	2	6	1	11	34	3	16
...Motor vehicle crashes	1	3	1	3	15	1	7
...Falls	0	0	0	0	5	0	1
...Accidental poisoning	0	0	0	4	2	0	6
...Other unintentional injuries	1	3	0	4	12	2	2
Suicide	6	4	0	9	8	1	3
Homicide	0	0	0	0	0	0	0
All other external causes	0	1	0	1	0	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Benton	Bollinger	Boone	Buchanan	Butler	Caldwell	Callaway
All causes	326	144	1,237	957	608	117	458
Enterocolitis due to Clostridium difficile	0	1	3	3	0	0	0
Septicemia	2	1	15	15	14	1	7
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	84	23	267	184	146	26	108
...Colon, rectum, and anus	5	3	25	10	13	3	10
...Pancreas	9	0	16	11	8	3	9
...Trachea, bronchus, and lung	19	7	73	61	49	6	28
...Breast	1	2	17	11	8	2	10
...Cervix uteri, corpus uteri, and ovary	7	0	13	9	6	0	3
...Prostate	3	0	14	9	8	3	4
...Urinary tract	6	3	14	10	6	2	4
...Non-Hodgkin's lymphoma	4	1	8	2	3	2	6
...Leukemia	7	1	16	5	3	0	6
...Other malignant neoplasms	23	6	71	56	42	5	28
Diabetes mellitus	9	3	37	48	21	2	18
Alzheimer's disease	12	2	41	40	35	2	14
Parkinson's disease	3	0	14	20	3	2	6
Diseases of heart	63	50	244	223	119	27	78
Essential hypertension	4	1	14	8	4	3	8
Cerebrovascular diseases	22	6	75	43	26	2	19
Influenza and pneumonia	4	4	31	22	26	3	13
Chronic lower respiratory disease	29	11	68	72	49	9	32
Pneumonitis due to solids and liquids	1	1	8	3	5	0	8
Chronic liver disease and cirrhosis	3	2	15	5	9	1	4
Nephritis and nephrosis	7	6	20	22	13	7	13
Conditions orig. in perinatal period	0	0	5	4	1	0	0
Congenital anomalies	0	0	7	3	2	0	0
Symptoms and ill-defined conditions	3	5	11	14	5	4	8
All other diseases	51	23	251	150	79	19	87
Unintentional injuries	18	2	72	46	38	7	26
...Motor vehicle crashes	6	1	15	13	9	4	9
...Falls	3	0	10	10	2	0	3
...Accidental poisoning	5	0	34	14	18	1	9
...Other unintentional injuries	4	1	13	9	9	2	5
Suicide	8	3	23	24	6	2	8
Homicide	2	0	14	7	6	0	1
All other external causes	1	0	2	1	1	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Camden	Cape Girardeau	Carroll	Carter	Cass	Cedar	Chariton
All causes	539	820	121	92	1,029	222	96
Enterocolitis due to Clostridium difficile	0	2	0	0	1	0	0
Septicemia	9	11	3	1	19	2	2
HIV / AIDS	0	0	0	0	1	0	0
Malignant neoplasms	150	153	20	14	222	38	20
...Colon, rectum, and anus	7	12	4	0	31	2	1
...Pancreas	7	10	2	0	17	6	0
...Trachea, bronchus, and lung	54	41	5	1	55	11	7
...Breast	5	6	1	3	11	1	0
...Cervix uteri, corpus uteri, and ovary	2	5	0	2	12	0	0
...Prostate	5	9	1	2	9	3	2
...Urinary tract	4	12	1	2	6	2	1
...Non-Hodgkin's lymphoma	3	6	3	0	8	2	1
...Leukemia	6	2	2	0	6	1	2
...Other malignant neoplasms	57	50	1	4	67	10	6
Diabetes mellitus	15	7	1	2	20	9	2
Alzheimer's disease	10	56	1	7	24	13	1
Parkinson's disease	6	15	2	0	14	2	0
Diseases of heart	109	177	29	25	221	54	22
Essential hypertension	7	6	1	0	6	0	3
Cerebrovascular diseases	17	42	9	7	52	7	5
Influenza and pneumonia	19	18	2	2	17	4	2
Chronic lower respiratory disease	35	55	8	8	71	19	10
Pneumonitis due to solids and liquids	6	10	3	0	13	0	1
Chronic liver disease and cirrhosis	6	7	1	0	11	4	1
Nephritis and nephrosis	12	32	4	2	23	6	0
Conditions orig. in perinatal period	1	4	0	0	3	0	0
Congenital anomalies	2	4	1	0	4	0	0
Symptoms and ill-defined conditions	4	9	3	0	6	1	0
All other diseases	82	139	18	15	209	44	18
Unintentional injuries	38	45	13	6	58	11	8
...Motor vehicle crashes	9	9	9	2	18	7	5
...Falls	5	8	1	1	10	3	2
...Accidental poisoning	8	16	2	0	20	0	0
...Other unintentional injuries	16	12	1	3	10	1	1
Suicide	7	17	2	0	28	5	0
Homicide	1	6	0	2	3	1	1
All other external causes	3	5	0	1	3	2	0



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Christian	Clark	Clay	Clinton	Cole	Cooper	Crawford
All causes	684	81	1,852	261	711	200	315
Enterocolitis due to Clostridium difficile	4	0	2	0	2	1	0
Septicemia	5	2	22	0	5	3	4
HIV / AIDS	0	1	1	0	1	2	0
Malignant neoplasms	145	13	434	55	123	38	72
...Colon, rectum, and anus	12	1	38	5	4	3	5
...Pancreas	10	0	34	3	12	2	3
...Trachea, bronchus, and lung	35	5	109	17	36	9	30
...Breast	13	1	24	0	7	3	3
...Cervix uteri, corpus uteri, and ovary	4	2	13	4	4	0	2
...Prostate	8	0	15	2	10	3	2
...Urinary tract	8	2	25	6	7	2	5
...Non-Hodgkin's lymphoma	7	0	20	2	6	3	1
...Leukemia	8	0	26	2	6	1	2
...Other malignant neoplasms	40	2	130	14	31	12	19
Diabetes mellitus	18	4	42	6	27	4	1
Alzheimer's disease	43	6	48	22	23	9	11
Parkinson's disease	11	1	22	9	11	2	1
Diseases of heart	140	21	391	59	167	77	117
Essential hypertension	3	0	25	4	17	0	4
Cerebrovascular diseases	28	5	68	16	32	7	11
Influenza and pneumonia	18	3	52	5	22	7	6
Chronic lower respiratory disease	30	5	123	25	56	10	16
Pneumonitis due to solids and liquids	5	1	21	2	3	2	1
Chronic liver disease and cirrhosis	12	0	30	4	15	0	5
Nephritis and nephrosis	13	3	53	4	13	2	5
Conditions orig. in perinatal period	0	0	12	0	2	0	0
Congenital anomalies	5	1	5	0	1	1	2
Symptoms and ill-defined conditions	6	2	12	1	14	3	0
All other diseases	127	9	311	43	120	23	37
Unintentional injuries	39	4	113	3	28	5	14
...Motor vehicle crashes	12	3	29	1	7	3	4
...Falls	8	1	37	2	4	0	3
...Accidental poisoning	13	0	26	0	8	1	4
...Other unintentional injuries	6	0	21	0	9	1	3
Suicide	24	0	46	3	19	3	7
Homicide	3	0	17	0	6	1	0
All other external causes	5	0	2	0	4	0	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Dade	Dallas	Davies	Dekalb	Dent	Douglas	Dunklin
All causes	116	213	85	160	174	206	473
Enterocolitis due to Clostridium difficile	0	0	0	0	0	2	3
Septicemia	3	6	1	5	1	3	7
HIV / AIDS	0	0	0	0	0	0	0
Malignant neoplasms	21	46	20	29	30	40	90
...Colon, rectum, and anus	1	3	2	3	3	6	19
...Pancreas	1	5	1	2	2	5	5
...Trachea, bronchus, and lung	6	14	3	8	11	17	28
...Breast	3	3	0	1	2	0	3
...Cervix uteri, corpus uteri, and ovary	1	1	1	1	1	1	3
...Prostate	0	0	1	1	0	1	2
...Urinary tract	0	4	1	1	0	1	5
...Non-Hodgkin's lymphoma	0	1	1	0	0	2	2
...Leukemia	0	0	0	2	2	1	4
...Other malignant neoplasms	9	15	10	10	9	6	19
Diabetes mellitus	6	7	1	7	12	6	12
Alzheimer's disease	5	6	5	7	5	15	21
Parkinson's disease	1	4	0	0	0	0	6
Diseases of heart	36	47	21	42	38	47	123
Essential hypertension	0	0	0	2	4	1	4
Cerebrovascular diseases	9	12	8	7	12	12	27
Influenza and pneumonia	2	5	5	2	4	7	12
Chronic lower respiratory disease	2	10	3	12	13	16	35
Pneumonitis due to solids and liquids	0	2	1	5	2	1	4
Chronic liver disease and cirrhosis	2	5	1	1	2	2	7
Nephritis and nephrosis	2	7	2	2	1	4	13
Conditions orig. in perinatal period	1	0	1	0	0	0	0
Congenital anomalies	0	0	0	3	0	1	1
Symptoms and ill-defined conditions	0	1	0	0	2	1	5
All other diseases	19	36	9	22	29	32	65
Unintentional injuries	5	14	4	9	16	8	23
...Motor vehicle crashes	2	3	3	4	8	5	3
...Falls	0	2	1	1	2	1	5
...Accidental poisoning	1	4	0	2	3	1	7
...Other unintentional injuries	2	5	0	2	3	1	8
Suicide	0	2	3	2	2	6	10
Homicide	2	3	0	1	0	2	3
All other external causes	0	0	0	2	1	0	2

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Franklin	Gasconade	Gentry	Greene	Grundy	Harrison	Henry
All causes	1,072	212	96	2,954	127	109	301
Enterocolitis due to Clostridium difficile	2	0	0	10	0	0	0
Septicemia	17	5	1	47	3	1	6
HIV / AIDS	1	0	0	1	0	0	0
Malignant neoplasms	209	40	19	548	18	21	69
...Colon, rectum, and anus	14	2	5	48	1	3	8
...Pancreas	14	0	1	37	0	1	6
...Trachea, bronchus, and lung	62	13	4	129	4	3	18
...Breast	13	2	0	43	2	1	6
...Cervix uteri, corpus uteri, and ovary	7	0	1	38	1	1	1
...Prostate	7	2	0	27	1	2	3
...Urinary tract	13	3	0	25	2	2	4
...Non-Hodgkin's lymphoma	10	2	1	19	0	0	0
...Leukemia	12	1	1	15	0	2	0
...Other malignant neoplasms	57	15	6	167	7	6	23
Diabetes mellitus	22	4	4	67	2	1	9
Alzheimer's disease	61	16	7	162	4	2	11
Parkinson's disease	7	0	0	40	3	3	4
Diseases of heart	273	41	18	710	31	40	80
Essential hypertension	6	2	0	21	1	1	1
Cerebrovascular diseases	50	19	7	115	4	10	12
Influenza and pneumonia	23	9	1	73	4	0	7
Chronic lower respiratory disease	77	11	8	213	11	8	19
Pneumonitis due to solids and liquids	11	2	2	23	2	2	4
Chronic liver disease and cirrhosis	17	4	1	59	0	1	4
Nephritis and nephrosis	14	5	3	80	3	1	7
Conditions orig. in perinatal period	3	0	0	10	1	0	0
Congenital anomalies	8	0	0	4	3	0	0
Symptoms and ill-defined conditions	4	5	3	12	3	0	2
All other diseases	140	34	15	480	25	9	41
Unintentional injuries	92	11	6	175	7	5	15
...Motor vehicle crashes	16	3	3	32	2	3	3
...Falls	32	3	1	45	1	0	6
...Accidental poisoning	40	4	0	68	2	0	3
...Other unintentional injuries	4	1	2	30	2	2	3
Suicide	25	3	1	68	2	3	8
Homicide	6	1	0	22	0	0	0
All other external causes	4	0	0	14	0	1	2

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Hickory	Holt	Howard	Howell	Iron	Jackson	Jasper
All causes	152	54	116	530	143	6,366	1,262
Enterocolitis due to Clostridium difficile	0	0	0	2	0	12	7
Septicemia	1	0	2	4	3	99	19
HIV / AIDS	0	0	0	0	0	13	2
Malignant neoplasms	40	14	23	117	31	1,278	261
...Colon, rectum, and anus	4	1	3	14	1	118	26
...Pancreas	8	0	0	6	1	77	14
...Trachea, bronchus, and lung	9	3	8	34	12	331	84
...Breast	1	1	1	6	1	81	17
...Cervix uteri, corpus uteri, and ovary	0	2	0	2	4	67	11
...Prostate	2	0	1	4	2	61	6
...Urinary tract	2	2	1	3	0	74	10
...Non-Hodgkin's lymphoma	0	0	0	7	2	36	9
...Leukemia	2	2	1	3	2	48	13
...Other malignant neoplasms	12	3	8	38	6	385	71
Diabetes mellitus	7	3	3	22	3	134	26
Alzheimer's disease	1	2	4	19	9	134	59
Parkinson's disease	0	0	1	4	3	53	15
Diseases of heart	24	11	33	108	43	1,422	313
Essential hypertension	0	1	3	1	3	55	9
Cerebrovascular diseases	8	3	7	25	6	298	53
Influenza and pneumonia	4	2	3	16	2	122	39
Chronic lower respiratory disease	16	4	6	43	14	373	106
Pneumonitis due to solids and liquids	1	0	0	2	0	64	11
Chronic liver disease and cirrhosis	3	0	0	8	2	56	16
Nephritis and nephrosis	4	0	3	11	1	178	34
Conditions orig. in perinatal period	0	0	0	0	0	29	3
Congenital anomalies	0	0	1	3	0	25	4
Symptoms and ill-defined conditions	2	0	0	1	1	49	12
All other diseases	25	10	16	101	14	1,249	182
Unintentional injuries	13	1	5	31	6	403	58
...Motor vehicle crashes	10	1	2	12	2	98	22
...Falls	0	0	1	6	1	86	6
...Accidental poisoning	1	0	1	4	2	136	14
...Other unintentional injuries	2	0	1	9	1	83	16
Suicide	2	3	6	7	2	150	27
Homicide	0	0	0	3	0	152	4
All other external causes	1	0	0	2	0	18	2

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Jefferson	Johnson	Knox	Laclede	Lafayette	Lawrence	Lewis
All causes	2,181	398	56	459	413	515	123
Enterocolitis due to Clostridium difficile	5	0	0	3	0	1	0
Septicemia	25	4	2	3	5	4	3
HIV / AIDS	2	0	0	0	1	0	0
Malignant neoplasms	450	65	14	89	89	84	19
...Colon, rectum, and anus	34	4	4	5	4	10	2
...Pancreas	36	4	0	4	8	3	0
...Trachea, bronchus, and lung	148	25	5	27	29	26	5
...Breast	33	1	1	7	10	3	2
...Cervix uteri, corpus uteri, and ovary	19	1	1	6	1	2	1
...Prostate	15	4	0	5	5	4	0
...Urinary tract	22	2	0	3	6	1	1
...Non-Hodgkin's lymphoma	14	1	0	5	2	4	3
...Leukemia	12	5	0	4	2	2	0
...Other malignant neoplasms	117	18	3	23	22	29	5
Diabetes mellitus	48	12	3	16	12	15	4
Alzheimer's disease	105	7	2	10	7	32	4
Parkinson's disease	28	2	0	7	10	4	0
Diseases of heart	497	119	11	97	95	118	37
Essential hypertension	22	1	1	9	6	3	2
Cerebrovascular diseases	91	15	3	14	20	31	8
Influenza and pneumonia	53	7	3	7	7	11	3
Chronic lower respiratory disease	135	21	5	56	28	45	9
Pneumonitis due to solids and liquids	30	36	0	2	4	2	0
Chronic liver disease and cirrhosis	24	1	0	2	3	9	1
Nephritis and nephrosis	40	12	1	10	8	9	5
Conditions orig. in perinatal period	10	0	0	1	0	1	0
Congenital anomalies	8	1	0	3	0	5	0
Symptoms and ill-defined conditions	18	4	1	10	6	6	0
All other diseases	295	58	6	65	84	99	14
Unintentional injuries	217	16	3	41	19	24	7
...Motor vehicle crashes	38	8	1	14	7	11	2
...Falls	44	1	0	7	3	4	1
...Accidental poisoning	113	3	0	10	5	2	3
...Other unintentional injuries	22	4	2	10	4	7	1
Suicide	60	13	1	11	9	7	5
Homicide	10	3	0	3	0	1	1
All other external causes	8	1	0	0	0	4	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Lincoln	Linn	Livingston	Macon	Madison	Maries	Marion
All causes	502	184	165	215	176	94	341
Enterocolitis due to Clostridium difficile	3	0	0	0	1	0	0
Septicemia	4	3	3	2	2	3	15
HIV / AIDS	1	0	0	0	0	0	0
Malignant neoplasms	118	38	38	52	41	27	72
...Colon, rectum, and anus	11	5	4	9	1	2	5
...Pancreas	6	2	3	2	3	0	8
...Trachea, bronchus, and lung	51	9	9	9	14	9	16
...Breast	4	1	2	4	2	2	3
...Cervix uteri, corpus uteri, and ovary	3	1	1	2	2	1	3
...Prostate	2	2	1	0	3	0	5
...Urinary tract	6	2	0	2	6	0	5
...Non-Hodgkin's lymphoma	3	3	0	1	0	1	2
...Leukemia	2	2	5	2	2	0	3
...Other malignant neoplasms	30	11	13	21	8	12	22
Diabetes mellitus	14	3	4	2	5	4	12
Alzheimer's disease	24	6	6	8	9	3	13
Parkinson's disease	4	0	4	3	2	2	2
Diseases of heart	93	56	36	51	44	22	81
Essential hypertension	6	3	2	1	0	0	2
Cerebrovascular diseases	21	6	9	11	11	4	19
Influenza and pneumonia	15	4	3	9	6	2	10
Chronic lower respiratory disease	34	13	5	11	16	5	18
Pneumonitis due to solids and liquids	1	2	3	2	2	5	1
Chronic liver disease and cirrhosis	5	0	2	4	1	2	2
Nephritis and nephrosis	8	8	6	9	5	1	11
Conditions orig. in perinatal period	4	1	2	0	0	0	1
Congenital anomalies	1	1	0	1	1	0	0
Symptoms and ill-defined conditions	3	3	2	0	6	0	5
All other diseases	84	20	27	37	17	7	49
Unintentional injuries	47	9	11	5	4	5	21
...Motor vehicle crashes	13	5	2	5	2	0	3
...Falls	3	2	3	0	0	0	7
...Accidental poisoning	20	1	3	0	2	4	5
...Other unintentional injuries	11	1	3	0	0	1	6
Suicide	8	6	2	5	3	0	7
Homicide	2	1	0	2	0	0	0
All other external causes	2	1	0	0	0	2	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	McDonald	Mercer	Miller	Mississippi	Moniteau	Monroe	Montgomery
All causes	244	54	294	196	175	103	150
Enterocolitis due to Clostridium difficile	0	0	0	0	1	0	0
Septicemia	3	2	1	2	4	0	0
HIV / AIDS	0	0	0	1	0	1	0
Malignant neoplasms	61	11	56	38	23	28	34
...Colon, rectum, and anus	10	1	4	2	0	1	1
...Pancreas	1	1	4	1	3	2	2
...Trachea, bronchus, and lung	12	5	18	13	7	11	18
...Breast	2	0	3	2	1	2	0
...Cervix uteri, corpus uteri, and ovary	4	1	2	0	0	1	0
...Prostate	4	0	2	1	1	2	2
...Urinary tract	2	1	2	3	2	1	2
...Non-Hodgkin's lymphoma	5	0	2	0	1	3	0
...Leukemia	2	0	2	2	1	0	1
...Other malignant neoplasms	19	2	17	14	7	5	8
Diabetes mellitus	5	5	15	4	26	5	1
Alzheimer's disease	8	2	7	16	3	3	6
Parkinson's disease	2	1	2	2	3	2	1
Diseases of heart	43	18	74	54	34	20	42
Essential hypertension	4	0	8	2	14	1	2
Cerebrovascular diseases	7	5	14	9	6	10	4
Influenza and pneumonia	8	1	2	2	2	5	2
Chronic lower respiratory disease	29	2	27	16	12	3	16
Pneumonitis due to solids and liquids	0	0	5	2	0	1	2
Chronic liver disease and cirrhosis	3	0	6	1	1	0	2
Nephritis and nephrosis	9	0	7	4	4	2	8
Conditions orig. in perinatal period	1	0	0	1	0	0	0
Congenital anomalies	0	0	2	0	0	0	0
Symptoms and ill-defined conditions	4	0	0	1	0	1	2
All other diseases	41	5	43	22	31	17	19
Unintentional injuries	12	1	19	15	7	4	6
...Motor vehicle crashes	6	1	4	2	3	3	4
...Falls	3	0	3	7	0	0	0
...Accidental poisoning	1	0	4	4	2	0	1
...Other unintentional injuries	2	0	8	2	2	1	1
Suicide	3	1	2	3	3	0	3
Homicide	0	0	1	1	1	0	0
All other external causes	1	0	3	0	0	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Morgan	New Madrid	Newton	Nodaway	Oregon	Osage	Ozark
All causes	312	273	694	213	159	147	139
Enterocolitis due to Clostridium difficile	1	0	3	1	0	0	0
Septicemia	3	7	9	3	3	2	1
HIV / AIDS	1	0	0	0	0	0	0
Malignant neoplasms	76	58	157	47	39	28	27
...Colon, rectum, and anus	6	4	17	8	5	1	2
...Pancreas	4	1	10	3	2	2	4
...Trachea, bronchus, and lung	22	22	52	9	15	8	8
...Breast	5	3	15	2	4	3	0
...Cervix uteri, corpus uteri, and ovary	4	0	6	1	1	1	1
...Prostate	4	2	4	5	0	0	0
...Urinary tract	3	2	5	4	1	4	2
...Non-Hodgkin's lymphoma	3	2	6	4	1	3	2
...Leukemia	7	3	8	1	1	0	1
...Other malignant neoplasms	18	19	34	10	9	6	7
Diabetes mellitus	10	7	16	5	1	6	5
Alzheimer's disease	5	13	29	10	4	4	5
Parkinson's disease	4	3	9	2	2	1	2
Diseases of heart	73	57	188	58	42	36	34
Essential hypertension	9	5	2	1	1	1	0
Cerebrovascular diseases	7	14	35	4	7	3	6
Influenza and pneumonia	11	5	18	10	0	2	11
Chronic lower respiratory disease	31	25	44	14	10	13	10
Pneumonitis due to solids and liquids	3	1	2	1	0	3	1
Chronic liver disease and cirrhosis	3	2	6	3	1	3	0
Nephritis and nephrosis	5	7	12	3	3	3	7
Conditions orig. in perinatal period	1	1	1	0	0	0	0
Congenital anomalies	0	3	0	2	0	0	0
Symptoms and ill-defined conditions	3	2	10	1	9	0	0
All other diseases	44	43	107	33	25	26	18
Unintentional injuries	12	14	34	8	7	11	8
...Motor vehicle crashes	6	2	8	2	5	0	5
...Falls	1	1	6	4	0	2	0
...Accidental poisoning	3	6	12	0	1	4	2
...Other unintentional injuries	2	5	8	2	1	5	1
Suicide	7	4	10	7	2	5	3
Homicide	2	0	1	0	1	0	1
All other external causes	1	2	1	0	2	0	0



**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Pemiscot	Perry	Pettis	Phelps	Pike	Platte	Polk
All causes	241	219	482	430	213	747	374
Enterocolitis due to Clostridium difficile	0	1	0	0	1	1	0
Septicemia	6	1	9	3	6	1	6
HIV / AIDS	0	0	0	0	0	1	0
Malignant neoplasms	46	62	99	82	41	147	67
...Colon, rectum, and anus	5	6	12	6	4	8	8
...Pancreas	3	4	8	6	2	15	5
...Trachea, bronchus, and lung	12	17	22	19	9	35	21
...Breast	6	5	9	4	7	10	2
...Cervix uteri, corpus uteri, and ovary	2	5	3	4	2	9	1
...Prostate	2	3	3	2	3	6	4
...Urinary tract	4	6	5	3	1	10	3
...Non-Hodgkin's lymphoma	0	0	4	1	1	6	1
...Leukemia	1	3	3	6	3	5	7
...Other malignant neoplasms	11	13	30	31	9	43	15
Diabetes mellitus	2	5	11	29	12	17	9
Alzheimer's disease	7	12	17	27	7	29	19
Parkinson's disease	3	2	4	6	2	14	6
Diseases of heart	76	48	110	81	47	143	83
Essential hypertension	0	2	7	6	4	11	2
Cerebrovascular diseases	10	12	29	23	8	33	24
Influenza and pneumonia	1	1	20	14	5	17	10
Chronic lower respiratory disease	16	10	30	34	16	43	23
Pneumonitis due to solids and liquids	0	2	5	1	1	7	4
Chronic liver disease and cirrhosis	2	3	4	5	0	9	5
Nephritis and nephrosis	8	7	16	9	14	23	7
Conditions orig. in perinatal period	0	0	0	3	0	3	0
Congenital anomalies	0	0	1	1	3	3	1
Symptoms and ill-defined conditions	2	3	10	2	5	6	2
All other diseases	47	32	64	68	30	158	76
Unintentional injuries	9	11	40	27	6	49	22
...Motor vehicle crashes	2	2	11	7	3	9	4
...Falls	1	1	14	4	1	23	2
...Accidental poisoning	0	3	7	9	2	12	5
...Other unintentional injuries	6	5	8	7	0	5	11
Suicide	2	3	3	7	3	20	7
Homicide	4	1	3	2	0	8	0
All other external causes	0	1	0	0	2	4	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Pulaski	Putnam	Ralls	Randolph	Ray	Reynolds	Ripley
All causes	339	61	86	279	277	99	190
Enterocolitis due to Clostridium difficile	0	0	0	0	1	0	0
Septicemia	4	1	2	3	0	0	1
HIV / AIDS	2	0	0	0	0	0	0
Malignant neoplasms	72	18	22	58	53	16	44
...Colon, rectum, and anus	4	2	1	2	2	2	4
...Pancreas	4	1	2	3	6	1	1
...Trachea, bronchus, and lung	18	7	5	19	20	4	17
...Breast	4	2	1	5	0	2	4
...Cervix uteri, corpus uteri, and ovary	1	0	0	1	2	0	1
...Prostate	5	0	1	2	3	1	3
...Urinary tract	6	3	1	4	3	0	3
...Non-Hodgkin's lymphoma	3	0	0	2	0	2	1
...Leukemia	3	1	3	1	0	0	0
...Other malignant neoplasms	24	2	8	19	17	4	10
Diabetes mellitus	19	0	4	5	4	0	0
Alzheimer's disease	5	1	1	3	7	5	7
Parkinson's disease	2	1	0	1	6	2	1
Diseases of heart	69	11	15	77	76	26	61
Essential hypertension	11	0	1	7	2	1	1
Cerebrovascular diseases	10	4	7	18	7	4	12
Influenza and pneumonia	9	1	0	5	4	2	4
Chronic lower respiratory disease	26	4	9	18	32	9	17
Pneumonitis due to solids and liquids	1	1	1	5	4	0	1
Chronic liver disease and cirrhosis	4	1	0	2	4	0	2
Nephritis and nephrosis	13	0	0	7	10	2	6
Conditions orig. in perinatal period	2	0	0	0	0	0	0
Congenital anomalies	1	1	1	0	0	0	0
Symptoms and ill-defined conditions	0	2	0	3	2	3	1
All other diseases	46	15	15	53	41	23	20
Unintentional injuries	28	0	6	6	16	1	9
...Motor vehicle crashes	9	0	3	3	8	0	4
...Falls	3	0	1	1	1	0	1
...Accidental poisoning	12	0	1	1	4	1	2
...Other unintentional injuries	4	0	1	1	3	0	2
Suicide	8	0	1	6	7	4	2
Homicide	5	0	0	1	0	1	1
All other external causes	2	0	1	1	1	0	0

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Saline	Schuyler	Scotland	Scott	Shannon	Shelby	St. Charles
All causes	264	58	41	469	90	67	3,148
Enterocolitis due to Clostridium difficile	2	0	0	1	0	0	2
Septicemia	6	0	1	5	0	1	56
HIV / AIDS	0	0	0	0	0	0	4
Malignant neoplasms	53	11	15	89	20	9	718
...Colon, rectum, and anus	4	1	2	8	1	0	54
...Pancreas	0	0	0	6	2	0	69
...Trachea, bronchus, and lung	16	2	6	31	4	3	173
...Breast	2	0	0	4	1	0	47
...Cervix uteri, corpus uteri, and ovary	5	1	0	2	1	1	37
...Prostate	3	3	1	5	1	0	36
...Urinary tract	2	0	0	9	1	0	45
...Non-Hodgkin's lymphoma	2	0	1	3	0	0	21
...Leukemia	2	0	1	3	1	2	35
...Other malignant neoplasms	17	4	4	18	8	3	201
Diabetes mellitus	20	3	1	11	0	3	59
Alzheimer's disease	8	2	3	26	2	0	172
Parkinson's disease	1	1	0	4	1	0	35
Diseases of heart	54	17	9	118	22	20	661
Essential hypertension	5	0	1	1	0	0	18
Cerebrovascular diseases	8	2	6	22	6	8	134
Influenza and pneumonia	7	2	0	5	1	1	77
Chronic lower respiratory disease	18	5	1	46	8	3	149
Pneumonitis due to solids and liquids	3	0	0	4	0	2	37
Chronic liver disease and cirrhosis	8	1	0	10	2	0	43
Nephritis and nephrosis	5	1	1	17	2	2	54
Conditions orig. in perinatal period	1	0	0	0	0	0	10
Congenital anomalies	1	0	0	1	0	0	13
Symptoms and ill-defined conditions	3	0	0	2	0	0	22
All other diseases	46	7	2	71	15	11	541
Unintentional injuries	9	3	1	20	9	3	270
...Motor vehicle crashes	4	1	1	6	3	1	33
...Falls	1	1	0	1	1	0	102
...Accidental poisoning	1	0	0	3	1	2	111
...Other unintentional injuries	3	1	0	10	4	0	24
Suicide	3	3	0	12	2	4	58
Homicide	2	0	0	3	0	0	12
All other external causes	1	0	0	1	0	0	3

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	St. Clair	St. Francois	St. Louis City	St. Louis County	Ste. Genevieve	Stoddard	Stone
All causes	117	808	3,035	10,876	216	407	444
Enterocolitis due to Clostridium difficile	0	2	4	33	0	0	1
Septicemia	3	4	48	149	1	5	2
HIV / AIDS	0	3	9	18	0	0	0
Malignant neoplasms	27	190	587	2,200	36	98	108
...Colon, rectum, and anus	2	24	58	185	5	14	5
...Pancreas	3	9	40	175	6	6	11
...Trachea, bronchus, and lung	2	57	143	530	11	32	33
...Breast	0	11	45	163	0	7	6
...Cervix uteri, corpus uteri, and ovary	1	5	34	122	3	4	1
...Prostate	0	6	36	100	3	3	6
...Urinary tract	1	6	26	130	0	5	9
...Non-Hodgkin's lymphoma	0	11	9	73	1	0	4
...Leukemia	4	5	12	92	0	1	0
...Other malignant neoplasms	14	56	184	630	7	26	33
Diabetes mellitus	4	23	77	232	9	4	5
Alzheimer's disease	7	31	106	628	10	11	15
Parkinson's disease	3	9	14	160	8	4	7
Diseases of heart	32	180	738	2,594	58	110	140
Essential hypertension	1	8	31	98	1	0	1
Cerebrovascular diseases	8	35	147	618	10	10	21
Influenza and pneumonia	3	19	48	227	5	15	7
Chronic lower respiratory disease	6	73	111	452	10	41	30
Pneumonitis due to solids and liquids	0	8	21	95	2	3	2
Chronic liver disease and cirrhosis	0	16	36	86	0	3	3
Nephritis and nephrosis	3	28	72	239	6	7	4
Conditions orig. in perinatal period	0	2	21	44	0	0	0
Congenital anomalies	0	0	10	38	0	0	3
Symptoms and ill-defined conditions	0	10	22	63	1	3	2
All other diseases	13	107	426	1,860	39	61	57
Unintentional injuries	6	36	320	695	14	23	21
...Motor vehicle crashes	4	4	53	108	3	6	8
...Falls	1	7	18	158	2	4	2
...Accidental poisoning	0	20	220	340	6	7	7
...Other unintentional injuries	1	5	29	89	3	6	4
Suicide	0	22	44	149	3	7	9
Homicide	1	1	134	162	1	1	5
All other external causes	0	1	9	36	2	1	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Sullivan	Taney	Texas	Vernon	Warren	Washington	Wayne
All causes	83	600	331	237	324	273	213
Enterocolitis due to Clostridium difficile	0	1	1	0	1	1	1
Septicemia	0	5	5	3	4	4	7
HIV / AIDS	1	1	0	0	0	0	0
Malignant neoplasms	20	117	68	47	79	55	38
...Colon, rectum, and anus	3	12	7	2	2	7	3
...Pancreas	3	13	2	2	5	4	2
...Trachea, bronchus, and lung	5	27	21	10	26	19	16
...Breast	1	4	3	3	4	0	3
...Cervix uteri, corpus uteri, and ovary	1	4	4	1	3	2	1
...Prostate	0	5	7	2	6	1	1
...Urinary tract	1	7	5	1	6	4	1
...Non-Hodgkin's lymphoma	1	3	0	1	3	2	0
...Leukemia	0	7	1	3	4	1	2
...Other malignant neoplasms	5	35	18	22	20	15	9
Diabetes mellitus	2	8	4	6	7	8	15
Alzheimer's disease	2	10	5	9	17	7	6
Parkinson's disease	1	7	0	1	2	0	0
Diseases of heart	20	241	84	70	79	86	43
Essential hypertension	1	2	6	2	3	3	1
Cerebrovascular diseases	8	34	22	13	11	5	11
Influenza and pneumonia	3	19	18	3	5	2	5
Chronic lower respiratory disease	5	31	32	22	12	31	20
Pneumonitis due to solids and liquids	0	2	2	1	5	1	0
Chronic liver disease and cirrhosis	0	6	3	2	6	3	4
Nephritis and nephrosis	2	12	9	6	7	5	5
Conditions orig. in perinatal period	1	5	3	0	1	1	0
Congenital anomalies	0	1	0	0	0	0	1
Symptoms and ill-defined conditions	0	1	2	5	3	2	0
All other diseases	8	55	42	33	46	34	37
Unintentional injuries	6	30	16	12	26	17	11
...Motor vehicle crashes	3	12	6	3	4	9	2
...Falls	0	4	3	1	5	1	2
...Accidental poisoning	2	8	4	5	15	5	3
...Other unintentional injuries	1	6	3	3	2	2	4
Suicide	3	10	7	1	9	7	4
Homicide	0	0	1	0	1	1	3
All other external causes	0	2	1	1	0	0	1

**Table 26C. Resident Deaths by Selected Causes of Death by County of Residence: Missouri, 2018**

	Webster	Worth	Wright	Unknown
All causes	393	25	272	1
Enterocolitis due to Clostridium difficile	0	0	1	0
Septicemia	4	1	3	0
HIV / AIDS	0	0	0	1
Malignant neoplasms	94	5	50	0
...Colon, rectum, and anus	6	1	4	0
...Pancreas	2	1	3	0
...Trachea, bronchus, and lung	25	1	11	0
...Breast	4	1	5	0
...Cervix uteri, corpus uteri, and ovary	2	0	2	0
...Prostate	5	0	0	0
...Urinary tract	7	0	2	0
...Non-Hodgkin's lymphoma	3	0	3	0
...Leukemia	8	0	1	0
...Other malignant neoplasms	32	1	19	0
Diabetes mellitus	12	3	6	0
Alzheimer's disease	24	0	9	0
Parkinson's disease	4	0	3	0
Diseases of heart	100	4	84	0
Essential hypertension	1	2	3	0
Cerebrovascular diseases	19	0	10	0
Influenza and pneumonia	10	1	7	0
Chronic lower respiratory disease	25	4	26	0
Pneumonitis due to solids and liquids	1	0	2	0
Chronic liver disease and cirrhosis	4	0	4	0
Nephritis and nephrosis	9	0	8	0
Conditions orig. in perinatal period	0	0	1	0
Congenital anomalies	3	0	4	0
Symptoms and ill-defined conditions	3	0	0	0
All other diseases	45	3	37	0
Unintentional injuries	25	2	9	0
...Motor vehicle crashes	6	1	5	0
...Falls	8	0	1	0
...Accidental poisoning	8	0	0	0
...Other unintentional injuries	3	1	3	0
Suicide	7	0	5	0
Homicide	2	0	0	0
All other external causes	1	0	0	0

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2018**

	Ballwin	Blue Springs	Cape Girardeau	Chesterfield	Columbia	Florissant	Gladstone
All causes	239	402	458	571	826	603	286
Enterocolitis due to Clostridium difficile	2	4	2	2	2	0	0
Septicemia	2	7	5	10	10	4	6
HIV / AIDS	0	0	0	1	0	1	0
Malignant neoplasms	53	92	70	113	171	124	61
...Colon, rectum, and anus	3	4	6	8	13	15	3
...Pancreas	5	6	5	12	12	9	6
...Trachea, bronchus, and lung	13	22	15	26	45	38	16
...Breast	5	7	4	7	13	8	1
...Cervix uteri, corpus uteri, and ovary	2	5	2	6	7	6	1
...Prostate	4	1	8	4	7	7	3
...Urinary tract	3	8	7	5	9	9	2
...Non-Hodgkin's lymphoma	1	1	3	3	6	2	6
...Leukemia	3	6	0	7	13	5	1
...Other malignant neoplasms	14	32	20	35	46	25	22
Diabetes mellitus	3	8	3	7	26	11	4
Alzheimer's disease	8	9	37	51	30	22	4
Parkinson's disease	3	1	8	12	10	11	4
Diseases of heart	56	69	114	111	152	172	67
Essential hypertension	5	1	3	6	11	6	3
Cerebrovascular diseases	20	21	20	31	53	33	11
Influenza and pneumonia	5	8	11	17	22	9	8
Chronic lower respiratory disease	5	23	29	24	37	27	17
Pneumonitis due to solids and liquids	2	5	7	6	6	5	3
Chronic liver disease and cirrhosis	0	6	3	2	10	7	5
Nephritis and nephrosis	7	7	20	15	11	11	14
Conditions orig. in perinatal period	2	4	3	3	4	1	4
Congenital anomalies	0	1	1	4	4	1	0
Symptoms and ill-defined conditions	2	1	5	2	9	0	3
All other diseases	40	101	81	120	184	87	52
Unintentional injuries	18	22	21	26	49	43	12
...Motor vehicle crashes	6	7	4	2	9	10	3
...Falls	2	7	3	15	8	9	5
...Accidental poisoning	10	4	9	4	25	21	2
...Other unintentional injuries	0	4	5	5	7	3	2
Suicide	4	7	9	6	14	14	5
Homicide	2	4	3	1	10	13	2
All other external causes	0	1	3	1	1	1	1

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2018**

	Hazelwood	Independence	Jefferson City	Joplin	Joplin - Jasper County	Joplin - Newton County	Kansas City
All causes	259	1,453	478	627	532	95	3,988
Enterocolitis due to Clostridium difficile	1	5	1	5	5	0	5
Septicemia	6	26	4	10	10	0	53
HIV / AIDS	0	1	1	2	2	0	13
Malignant neoplasms	61	277	80	124	103	21	791
...Colon, rectum, and anus	6	28	3	11	9	2	58
...Pancreas	6	11	7	7	6	1	53
...Trachea, bronchus, and lung	15	81	22	44	38	6	196
...Breast	7	16	4	5	4	1	54
...Cervix uteri, corpus uteri, and ovary	3	16	2	3	3	0	39
...Prostate	2	11	7	3	2	1	39
...Urinary tract	3	11	3	3	2	1	46
...Non-Hodgkin's lymphoma	2	12	5	3	2	1	22
...Leukemia	2	13	5	6	5	1	26
...Other malignant neoplasms	15	78	22	39	32	7	258
Diabetes mellitus	2	37	18	15	14	1	79
Alzheimer's disease	9	32	18	45	37	8	107
Parkinson's disease	4	11	6	6	4	2	42
Diseases of heart	52	335	114	157	135	22	843
Essential hypertension	3	5	13	2	1	1	46
Cerebrovascular diseases	13	60	23	28	24	4	178
Influenza and pneumonia	4	23	15	22	19	3	83
Chronic lower respiratory disease	15	116	35	51	47	4	208
Pneumonitis due to solids and liquids	1	13	0	3	3	0	39
Chronic liver disease and cirrhosis	0	12	7	4	3	1	44
Nephritis and nephrosis	3	52	11	16	15	1	117
Conditions orig. in perinatal period	0	4	1	1	1	0	19
Congenital anomalies	2	6	1	0	0	0	15
Symptoms and ill-defined conditions	2	5	11	4	2	2	29
All other diseases	46	291	84	89	71	18	768
Unintentional injuries	30	89	19	29	22	7	279
...Motor vehicle crashes	3	22	4	6	6	0	68
...Falls	2	21	2	6	4	2	64
...Accidental poisoning	20	34	6	9	6	3	96
...Other unintentional injuries	5	12	7	8	6	2	51
Suicide	3	33	10	10	10	0	100
Homicide	1	19	5	2	2	0	117
All other external causes	1	1	1	2	2	0	13



**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2018**

	Kansas City - Cass County	Kansas City - Clay County	Kansas City - Jackson County	Kansas City - Platte County	Kirkwood	Lee's Summit	Liberty
All causes	0	842	2,761	385	292	665	215
Enterocolitis due to Clostridium difficile	0	2	3	0	0	0	0
Septicemia	0	10	43	0	4	8	4
HIV / AIDS	0	1	11	1	0	0	0
Malignant neoplasms	0	195	534	62	54	140	48
...Colon, rectum, and anus	0	8	48	2	0	12	9
...Pancreas	0	14	35	4	5	11	4
...Trachea, bronchus, and lung	0	50	127	19	20	36	9
...Breast	0	12	36	6	3	9	3
...Cervix uteri, corpus uteri, and ovary	0	7	27	5	4	8	0
...Prostate	0	6	31	2	3	6	2
...Urinary tract	0	13	28	5	2	10	4
...Non-Hodgkin's lymphoma	0	7	13	2	1	5	1
...Leukemia	0	12	12	2	1	5	3
...Other malignant neoplasms	0	66	177	15	15	38	13
Diabetes mellitus	0	20	51	8	5	14	5
Alzheimer's disease	0	31	62	14	25	18	2
Parkinson's disease	0	12	21	9	7	10	1
Diseases of heart	0	172	600	71	77	153	42
Essential hypertension	0	7	35	4	3	5	5
Cerebrovascular diseases	0	38	124	16	14	44	7
Influenza and pneumonia	0	18	54	11	3	18	6
Chronic lower respiratory disease	0	50	132	26	14	37	20
Pneumonitis due to solids and liquids	0	9	28	2	2	6	2
Chronic liver disease and cirrhosis	0	13	27	4	2	3	4
Nephritis and nephrosis	0	25	78	14	2	12	4
Conditions orig. in perinatal period	0	4	12	3	0	1	2
Congenital anomalies	0	3	11	1	0	1	2
Symptoms and ill-defined conditions	0	4	21	4	1	7	2
All other diseases	0	142	533	93	50	128	36
Unintentional injuries	0	52	201	26	17	30	16
...Motor vehicle crashes	0	11	53	4	1	6	5
...Falls	0	22	29	13	2	13	3
...Accidental poisoning	0	13	76	7	8	7	4
...Other unintentional injuries	0	6	43	2	6	4	4
Suicide	0	23	67	10	7	17	5
Homicide	0	11	102	4	2	9	2
All other external causes	0	0	11	2	3	4	0

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2018**

	Maryland Heights	O'Fallon	Raytown	Springfield	St. Charles	St. Joseph	St. Louis City
All causes	284	607	363	1,933	755	822	3,035
Enterocolitis due to Clostridium difficile	1	0	0	9	0	3	4
Septicemia	2	10	6	35	17	12	48
HIV / AIDS	0	0	1	0	0	0	9
Malignant neoplasms	46	137	82	329	161	157	587
...Colon, rectum, and anus	5	5	9	31	14	7	58
...Pancreas	3	13	8	23	14	11	40
...Trachea, bronchus, and lung	8	38	18	78	39	51	143
...Breast	7	7	4	24	10	9	45
...Cervix uteri, corpus uteri, and ovary	3	7	5	23	13	9	34
...Prostate	1	7	5	18	8	8	36
...Urinary tract	3	11	6	13	9	9	26
...Non-Hodgkin's lymphoma	0	5	3	7	5	2	9
...Leukemia	1	6	2	9	6	5	12
...Other malignant neoplasms	15	38	22	103	43	46	184
Diabetes mellitus	8	4	9	49	18	40	77
Alzheimer's disease	15	25	7	111	40	35	106
Parkinson's disease	6	3	5	25	8	18	14
Diseases of heart	77	137	84	455	148	191	738
Essential hypertension	4	3	1	16	6	6	31
Cerebrovascular diseases	13	27	12	64	26	38	147
Influenza and pneumonia	6	16	5	52	17	20	48
Chronic lower respiratory disease	9	27	19	147	45	66	111
Pneumonitis due to solids and liquids	3	0	3	17	17	3	21
Chronic liver disease and cirrhosis	3	5	4	43	9	3	36
Nephritis and nephrosis	1	12	11	56	11	19	72
Conditions orig. in perinatal period	1	2	2	9	1	4	21
Congenital anomalies	1	4	1	2	4	2	10
Symptoms and ill-defined conditions	0	6	4	7	5	13	22
All other diseases	68	118	80	313	141	124	426
Unintentional injuries	11	58	15	125	59	39	320
...Motor vehicle crashes	0	7	1	15	4	10	53
...Falls	2	24	4	31	27	7	18
...Accidental poisoning	6	22	6	56	25	14	220
...Other unintentional injuries	3	5	4	23	3	8	29
Suicide	5	12	7	44	14	22	44
Homicide	3	1	5	17	7	6	134
All other external causes	1	0	0	8	1	1	9

**Table 26D. Resident Deaths by Selected Causes of Death by Cities with 25,000 or More Population: Missouri, 2018**

	St. Peters	University City	Wentzville	Wildwood
All causes	494	392	217	158
Enterocolitis due to Clostridium difficile	0	1	0	1
Septicemia	13	5	4	1
HIV / AIDS	2	1	1	0
Malignant neoplasms	93	71	48	43
...Colon, rectum, and anus	6	6	4	4
...Pancreas	6	5	6	1
...Trachea, bronchus, and lung	26	14	11	9
...Breast	9	3	5	3
...Cervix uteri, corpus uteri, and ovary	2	4	2	1
...Prostate	5	7	1	2
...Urinary tract	2	3	6	5
...Non-Hodgkin's lymphoma	2	4	1	3
...Leukemia	5	3	1	0
...Other malignant neoplasms	30	22	11	15
Diabetes mellitus	13	12	3	5
Alzheimer's disease	41	27	11	5
Parkinson's disease	5	6	6	2
Diseases of heart	109	94	41	34
Essential hypertension	2	3	1	2
Cerebrovascular diseases	31	26	4	9
Influenza and pneumonia	14	6	1	1
Chronic lower respiratory disease	24	26	13	13
Pneumonitis due to solids and liquids	5	1	3	2
Chronic liver disease and cirrhosis	9	3	2	2
Nephritis and nephrosis	11	11	4	5
Conditions orig. in perinatal period	3	1	2	0
Congenital anomalies	2	1	1	1
Symptoms and ill-defined conditions	0	2	2	0
All other diseases	84	63	43	19
Unintentional injuries	29	22	22	11
...Motor vehicle crashes	3	1	3	3
...Falls	9	5	4	1
...Accidental poisoning	15	10	13	5
...Other unintentional injuries	2	6	2	2
Suicide	3	5	5	2
Homicide	1	5	0	0
All other external causes	0	0	0	0

**Table 27. Recorded Deaths by Type of Accident by Age by Sex: Missouri, 2018**

	Total	All Ages		0-4 Years		5-14 Years		15-24 Years		25-44 Years		45-64 Years		65-74 Years		Over 74	
		Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
<b>Recorded Total</b>	4,184	2,593	1,591	49	39	24	15	262	93	832	390	718	335	248	128	460	591
Work Total	89	79	10	0	0	0	0	1	0	25	3	40	5	7	2	6	0
Heavy transport vehicle	6	5	1	0	0	0	0	0	0	0	0	5	0	0	1	0	0
Other motor vehicle	24	21	3	0	0	0	0	0	0	11	1	9	2	0	0	1	0
Other transport	5	5	0	0	0	0	0	0	0	1	0	3	0	1	0	0	0
Falls	16	14	2	0	0	0	0	0	0	5	0	5	1	2	1	2	0
Farm machinery	5	5	0	0	0	0	0	0	0	0	0	2	0	2	0	1	0
Other machinery	3	3	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0
Struck by/against object	10	10	0	0	0	0	0	0	0	2	0	7	0	1	0	0	0
Electric current	2	2	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
Other/unspecified accident	18	14	4	0	0	0	0	1	0	5	2	5	2	1	0	2	0
<b>Home Total</b>	1,879	1,143	736	43	26	10	5	96	34	433	211	298	189	91	50	172	221
Falls	491	244	247	0	0	0	0	0	0	2	2	48	20	46	29	148	196
Machinery	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Firearms	9	8	1	2	0	1	0	1	0	2	0	1	0	1	1	0	0
Struck by/against object	12	9	3	0	0	0	1	0	0	2	0	2	1	3	0	2	1
Drowning	25	15	10	3	3	2	1	0	1	4	2	1	1	0	2	5	0
Choke/suffocate	66	40	26	29	18	0	0	1	0	1	0	3	5	3	2	3	1
Excess natural heat/cold	13	6	7	1	0	0	1	0	0	0	0	3	2	0	3	2	1
Fire/flame/smoke	89	53	36	6	3	7	2	1	0	3	3	20	11	9	4	7	13
Poisoning (drug/alcohol)	1,114	727	387	0	0	0	0	88	31	401	202	211	144	26	8	1	2
Poisoning (gas/other)	18	11	7	0	0	0	0	1	1	5	1	4	3	1	1	0	1
Other/unspecified accident	41	29	12	2	2	0	0	4	1	13	1	5	2	2	0	3	6
<b>Public Transport Total</b>	968	667	301	2	6	6	7	132	52	180	100	199	80	66	23	82	33
Car or truck	712	465	247	2	4	2	4	106	40	122	80	123	67	47	21	63	31
Pedestrian	100	73	27	0	2	1	1	10	5	17	12	31	5	9	2	5	0
Pedal cyclist	4	3	1	0	0	0	1	0	0	1	0	2	0	0	0	0	0
Motorcyclist	107	92	15	0	0	0	0	12	1	35	7	33	6	8	0	4	1
Railroad (not motor vehicle)	6	3	3	0	0	0	1	0	0	2	1	1	1	0	0	0	0
Non-road vehicle (including ATV)	20	15	5	0	0	2	0	0	3	2	0	2	1	1	0	8	1
Water transport	10	8	2	0	0	0	0	2	2	1	0	4	0	0	0	1	0
Air transport	4	4	0	0	0	0	0	1	0	0	0	1	0	1	0	1	0
Other/unspecified transport	5	4	1	0	0	1	0	1	1	0	0	2	0	0	0	0	0
<b>Public Non-Transport Total</b>	1,217	681	536	4	7	7	3	33	7	189	75	172	60	80	51	196	333
Falls	385	156	229	0	0	0	0	1	1	4	2	16	4	24	17	111	205
Machinery	8	8	0	0	0	0	0	0	0	1	0	1	0	0	0	6	0
Firearms	4	4	0	0	0	0	0	0	0	3	0	0	0	1	0	0	0
Struck by/against object	14	12	2	0	0	0	0	1	0	1	0	7	0	2	0	1	2
Drowning	51	40	11	1	1	5	2	11	1	12	3	6	2	5	1	0	1
Choke/suffocate	110	58	52	1	3	0	0	0	0	3	0	15	7	12	9	27	33
Excess natural heat/cold	21	11	10	1	2	0	0	0	0	1	1	3	2	4	3	2	2
Fire/flame/smoke	7	6	1	0	0	0	0	0	0	3	1	1	1	0	1	0	0
Poisoning (drug/alcohol)	401	289	112	0	0	0	1	17	5	149	64	106	31	13	8	4	3
Poisoning (gas/other)	10	8	2	0	0	0	0	0	0	3	1	4	1	1	0	0	0
Other/unspecified accident	206	89	117	1	1	2	0	3	0	9	3	13	13	17	13	44	87
<b>Late Effects of Accidents</b>	31	23	8	0	0	1	0	0	0	5	1	9	1	4	2	4	4

**Table 28. Resident Deaths by Selected Variables by Determination of Tobacco Use Contributing to Cause of Death: Missouri, 2018**

	Total	Tobacco Use Contributed to Death			Percentage		
		Yes	Probably	No	Yes	Probably	No
<b>State Total</b>	63,110	6,838	3,580	29,915	22,777	10.8	5.7
<b>Gender</b>							
Male	32,343	4,036	2,141	14,209	11,957	12.5	6.6
Female	30,767	2,802	1,439	15,706	10,820	9.1	4.7
<b>Decedent's Race</b>							
White Non-Hisp	54,692	6,171	3,176	25,543	19,802	11.3	5.8
Black Non-Hisp	6,940	575	330	3,568	2,467	8.3	4.8
Other Non-Hisp*	805	43	38	442	282	5.3	4.7
Hispanic, Any Race	624	43	33	349	199	6.9	5.3
<b>Decedent's Age</b>							
Under 35	2,921	28	16	2,374	503	1.0	0.5
35-44	1,870	88	63	1,181	538	4.7	3.4
45-54	3,661	435	217	1,693	1,316	11.9	5.9
55-64	8,712	1,469	659	3,217	3,367	16.9	7.6
65-74	12,167	2,062	964	4,501	4,640	16.9	7.9
75-84	15,280	1,879	1,030	6,581	5,790	12.3	6.7
85+	18,499	877	631	10,368	6,623	4.7	3.4
<b>Underlying Cause of Death</b>							
Heart Disease	14,888	1,403	821	6,199	6,465	9.4	5.5
Cancer	13,038	2,261	1,081	5,253	4,443	17.3	8.3
...Lung Cancer	3,559	1,549	558	300	1,152	43.5	15.7
...Other Cancer	9,479	712	523	4,953	3,291	7.5	5.5
Chronic lower respiratory disease	3,978	1,658	577	472	1,271	41.7	14.5
Stroke	3,039	174	133	1,475	1,257	5.7	4.4
Unintentional injuries	3,975	103	51	2,913	908	2.6	1.3
Alzheimer's disease	2,640	27	31	1,762	820	1.0	1.2
Diabetes mellitus	1,606	197	107	723	579	12.3	6.7
Influenza and pneumonia	1,477	97	77	761	542	6.6	5.2
Nephritis and nephrosis	1,504	66	52	712	674	4.4	3.5
Other	16,965	852	650	9,645	5,818	5.0	3.8

\* Includes deaths of persons of multiple races, but not persons of unknown race.

**Table 29. Resident Deaths by Selected Characteristics by Sex: Missouri, 2018**

	Total	Female	Male
<b><u>State Total</u></b>	63,110	30,767	32,343
<b><u>Certifier</u></b>			
Certifying Physician	50,082	26,238	23,844
Medical Examiner/Coroner	13,025	4,528	8,497
Other	3	1	2
<b><u>Death Place</u></b>			
Inpatient	16,966	8,070	8,896
Emergency Room/Outpatient	3,641	1,447	2,194
Dead on Arrival	52	22	30
Decedent's Home	20,352	8,922	11,430
Hospice Facility	2,641	1,392	1,249
Nursing Home	16,435	9,899	6,536
Other	3,023	1,015	2,008
<b><u>Month of Death</u></b>			
January	6,675	3,337	3,338
February	5,419	2,657	2,762
March	5,528	2,720	2,808
April	5,191	2,589	2,602
May	5,053	2,389	2,664
June	4,838	2,286	2,552
July	4,828	2,330	2,498
August	5,086	2,512	2,574
September	4,857	2,327	2,530
October	5,204	2,562	2,642
November	5,056	2,483	2,573
December	5,375	2,575	2,800

	Total	Female	Male
<b><u>Disposition</u></b>			
Burial	29,322	15,500	13,822
Cremation	30,896	13,800	17,096
Donation	1,401	725	676
Entombment	424	231	193
Removal from State	1,024	496	528
Other	43	15	28
<b><u>Marital Status</u></b>			
Married	22,899	7,801	15,098
Divorced	11,103	5,001	6,102
Widowed	20,678	14,880	5,798
Never Married	7,922	2,937	4,985
Unknown	508	148	360
<b><u>Education of Deceased</u></b>			
8th Grade or Less	6,204	3,176	3,028
9th to 11th Grade	7,050	3,365	3,685
High School Graduates	28,663	14,519	14,144
Some College	11,566	5,698	5,868
Bachelor's Degree	5,298	2,300	2,998
Post-Graduate Degree	3,240	1,267	1,973
Unknown	1,089	442	647
<b><u>Autopsy</u></b>			
Yes	3,506	1,105	2,401
Yes, but not used	265	108	157

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2018

Total Population

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_nQ_x$	$L_x$	${}_nD_x$	${}_nL_x$	$T_x$	$E_x$
0-1	0.0063	100,000	626	99,436	7,698,282	77.0
1-5	0.0011	99,374	113	397,269	7,598,845	76.5
5-10	0.0007	99,261	68	496,134	7,201,576	72.6
10-15	0.0008	99,193	77	495,770	6,705,442	67.6
15-20	0.0037	99,115	369	494,655	6,209,672	62.7
20-25	0.0065	98,746	641	492,130	5,715,018	57.9
25-30	0.0083	98,105	812	488,497	5,222,888	53.2
30-35	0.0092	97,294	891	484,241	4,734,390	48.7
35-40	0.0115	96,403	1,112	479,235	4,250,149	44.1
40-45	0.0135	95,291	1,291	473,229	3,770,914	39.6
45-50	0.0193	94,000	1,816	465,463	3,297,686	35.1
50-55	0.0286	92,185	2,640	454,325	2,832,223	30.7
55-60	0.0432	89,545	3,868	438,057	2,377,897	26.6
60-65	0.0597	85,678	5,114	415,602	1,939,841	22.6
65-70	0.0825	80,563	6,647	386,199	1,524,238	18.9
70-75	0.1167	73,916	8,623	348,023	1,138,039	15.4
75-80	0.1819	65,293	11,878	296,769	790,016	12.1
80-85	0.2738	53,415	14,623	230,517	493,246	9.2
85+	1.0000	38,792	38,792	262,729	262,729	6.8

Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2018

**Male Population**

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_nQ_x$	$L_x$	${}_nD_x$	${}_nL_x$	$T_x$	$E_x$
0-1	0.0065	100,000	654	99,411	7,427,777	74.3
1-5	0.0012	99,346	121	397,141	7,328,366	73.8
5-10	0.0006	99,224	64	495,962	6,931,225	69.9
10-15	0.0010	99,160	99	495,554	6,435,263	64.9
15-20	0.0053	99,061	524	493,997	5,939,709	60.0
20-25	0.0094	98,538	924	490,377	5,445,712	55.3
25-30	0.0116	97,613	1,134	485,232	4,955,335	50.8
30-35	0.0121	96,480	1,172	479,469	4,470,103	46.3
35-40	0.0148	95,308	1,408	473,019	3,990,634	41.9
40-45	0.0174	93,900	1,636	465,409	3,517,615	37.5
45-50	0.0245	92,264	2,256	455,678	3,052,206	33.1
50-55	0.0351	90,007	3,158	442,143	2,596,528	28.8
55-60	0.0541	86,850	4,698	422,502	2,154,386	24.8
60-65	0.0742	82,151	6,094	395,521	1,731,883	21.1
65-70	0.1025	76,057	7,796	360,795	1,336,362	17.6
70-75	0.1363	68,261	9,305	318,043	975,567	14.3
75-80	0.2136	58,956	12,595	263,293	657,525	11.2
80-85	0.3148	46,361	14,596	195,317	394,231	8.5
85+	1.0000	31,766	31,766	198,914	198,914	6.3

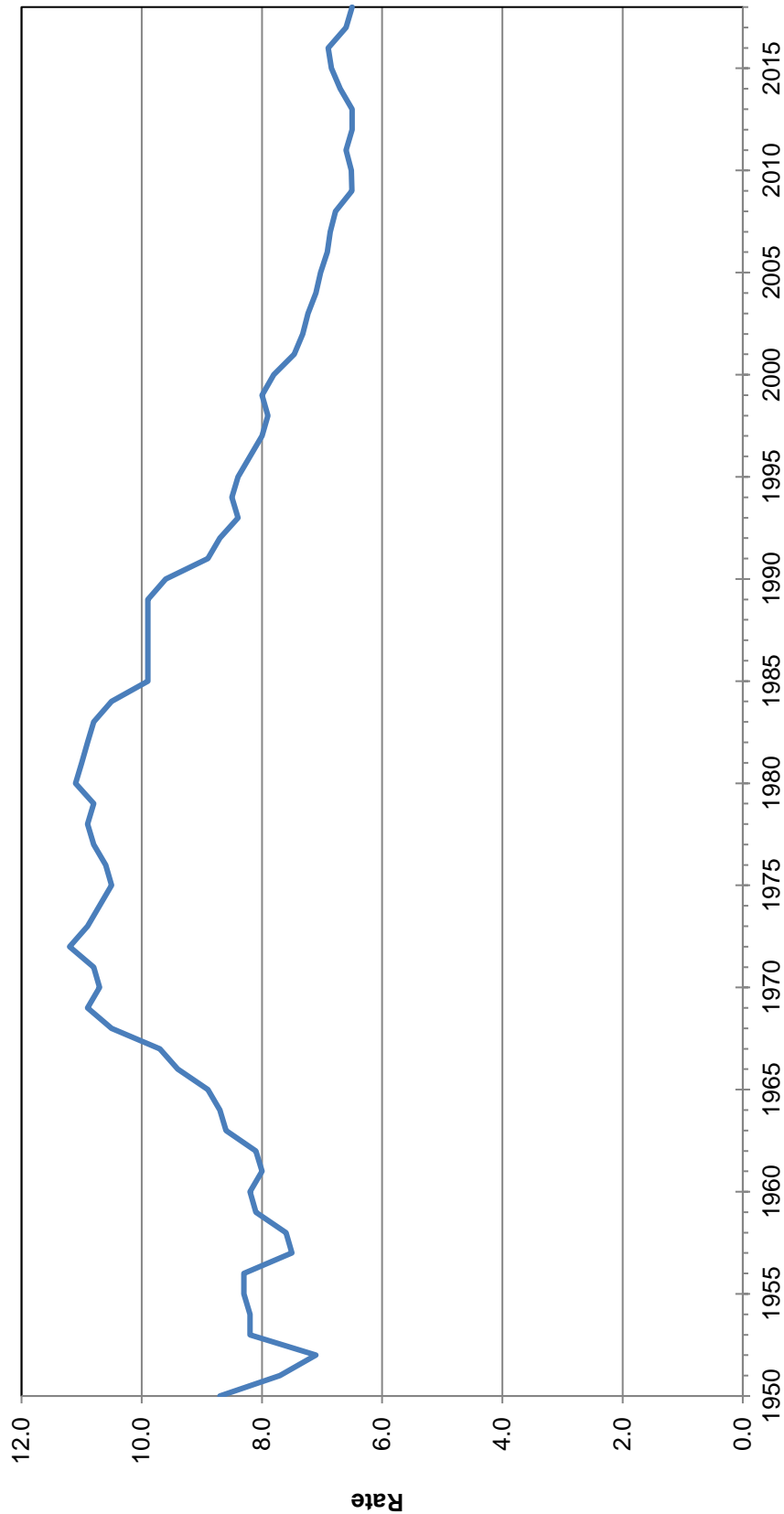


Table 30. Abridged Life Table for Total Population and by Sex: Missouri, 2018

**Female Population**

Age Interval	Proportion Dying	Of 100,000 Born Alive		Stationary Population		Average Remaining Lifetime
Period of life between two exact ages stated in years	Proportion of persons alive at beginning of age interval dying during interval	Number living at beginning of age interval	Number dying during age interval	In the age interval	In this and all subsequent age intervals	Average number of years of life remaining at beginning of age interval
X TO X + N	${}_nQ_x$	$L_x$	${}_nD_x$	${}_nL_x$	$T_x$	$E_x$
0-1	0.0060	100,000	598	99,462	7,971,996	79.7
1-5	0.0010	99,402	104	397,402	7,872,534	79.2
5-10	0.0007	99,299	73	496,312	7,475,132	75.3
10-15	0.0005	99,226	54	495,995	6,978,819	70.3
15-20	0.0021	99,172	205	495,346	6,482,824	65.4
20-25	0.0035	98,966	343	493,975	5,987,478	60.5
25-30	0.0048	98,623	478	491,922	5,493,503	55.7
30-35	0.0062	98,145	604	489,216	5,001,582	51.0
35-40	0.0083	97,541	810	485,681	4,512,366	46.3
40-45	0.0097	96,731	939	481,309	4,026,685	41.6
45-50	0.0143	95,792	1,367	475,545	3,545,376	37.0
50-55	0.0224	94,426	2,112	466,849	3,069,831	32.5
55-60	0.0327	92,314	3,019	454,023	2,602,983	28.2
60-65	0.0462	89,295	4,122	436,171	2,148,959	24.1
65-70	0.0644	85,173	5,489	412,143	1,712,788	20.1
70-75	0.0994	79,684	7,922	378,614	1,300,645	16.3
75-80	0.1555	71,762	11,157	330,916	922,031	12.8
80-85	0.2427	60,605	14,707	266,256	591,115	9.8
85+	1.0000	45,897	45,897	324,860	324,860	7.1

Graph F. Marriage Rates per 1,000 Population: Missouri, 1950-2018



Year	Marriages	Rate	Year	Marriages	Rate
1950	34,300	8.7	1985	49,484	9.9
1955	34,162	8.3	1990	49,063	9.6
1960	35,368	8.2	1995	45,057	8.4
1965	39,882	8.9	2000	43,665	7.8
1970	50,224	10.7	2005	40,675	7.0
1975	50,147	10.5	2010	38,998	6.5
1980	54,625	11.1	2011	39,481	6.6
			2012	39,378	6.5
			2013	38,984	6.5
			2014	40,779	6.7
			2015	41,377	6.8
			2016	41,747	6.9
			2017	40,316	6.6
			2018	39,692	6.5

**Table 31. Reported Marriage by Month of Event: Missouri, 2018**

	Total	Gender			Not Stated
		Male-Female	Female-Female	Male-Male	
<b>Total</b>	39,692	38,187	749	409	347
<b>January</b>	1,510	1,457	27	17	9
<b>February</b>	1,610	1,564	19	20	7
<b>March</b>	2,635	2,516	51	33	35
<b>April</b>	3,098	2,969	67	27	35
<b>May</b>	4,040	3,882	81	45	32
<b>June</b>	4,825	4,646	85	35	59
<b>July</b>	3,191	3,070	74	34	13
<b>August</b>	3,292	3,175	72	37	8
<b>September</b>	5,134	4,968	88	46	32
<b>October</b>	5,149	4,943	101	45	60
<b>November</b>	2,717	2,609	43	37	28
<b>December</b>	2,491	2,388	41	33	29

**Table 32. Reported Male-Female Marriages by Age: Missouri, 2018**

Age of Male	Total	Age of Female														
		14 And Under	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Total	38,187	0	10	18	82	563	866	1,133	1,449	1,838	2,075	2,136	2,185	2,220	2,070	1,968
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	3	0	0	0	1	1	0	0	0	0	0	0	0	0	1	0
17	22	0	2	2	2	6	5	4	0	0	0	1	0	0	0	0
18	237	0	4	7	22	94	64	17	4	5	6	1	5	0	2	1
19	492	0	1	5	24	137	161	83	38	17	11	7	2	1	1	0
20	772	0	3	1	16	113	213	200	108	47	27	13	12	6	6	3
21	1,076	0	0	0	9	71	161	243	284	141	74	29	17	13	8	8
22	1,420	0	0	1	1	44	99	210	293	369	168	92	39	27	21	17
23	1,554	0	0	0	1	24	40	114	226	315	414	182	70	56	26	22
24	1,801	0	0	1	2	19	34	80	163	287	385	373	194	92	51	29
25	1,891	0	0	0	3	10	27	50	86	198	258	374	408	206	94	53
26	2,063	0	0	0	0	9	18	37	74	146	208	290	372	412	212	91
27	2,048	0	0	0	0	12	12	28	37	94	129	203	291	354	370	199
28	1,899	0	0	0	0	3	6	15	29	53	92	159	211	253	307	326
29	1,878	0	0	0	1	2	7	13	25	41	70	116	149	192	256	298
30	1,612	0	0	0	0	4	5	3	16	29	61	57	115	162	159	202
31	1,483	0	0	1	0	3	2	9	11	16	43	53	77	97	118	179
32	1,319	0	0	0	0	2	2	1	14	13	23	33	54	75	81	116
33	1,212	0	0	0	0	1	1	2	7	11	21	27	28	67	91	82
34	1,053	0	0	0	0	1	3	4	7	8	16	30	28	49	58	79
35-39	4,065	0	0	0	0	2	2	13	16	32	44	59	74	106	133	178
40-44	2,748	0	0	0	0	0	2	2	5	12	14	22	23	38	44	52
45-49	2,185	0	0	0	0	3	2	3	4	2	6	8	9	6	21	22
50-54	1,853	0	0	0	0	2	0	0	1	1	2	4	4	4	5	6
55-59	1,380	0	0	0	0	0	0	1	1	1	2	1	1	2	4	4
60-64	980	0	0	0	0	0	0	1	0	0	1	0	0	2	1	1
65-69	511	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0
70-74	337	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
75 +	289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Not Stated	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

**Table 32. Reported Male-Female Marriages by Age: Missouri, 2018**

Age of Male	Age of Female															
	29	30	31	32	33	34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 +	Not Stated
Total	1,726	1,462	1,275	1,175	1,010	936	3,522	2,462	2,062	1,521	1,052	685	340	196	146	4
14 And Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	3	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1
20	1	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0
21	6	0	2	2	1	1	5	1	0	0	0	0	0	0	0	0
22	4	4	5	7	1	6	8	4	0	0	0	0	0	0	0	0
23	16	11	3	6	6	9	9	4	0	0	0	0	0	0	0	0
24	26	11	11	7	5	11	13	4	3	0	0	0	0	0	0	0
25	32	25	18	7	7	4	24	6	1	0	0	0	0	0	0	0
26	48	44	27	15	14	10	28	5	2	1	0	0	0	0	0	0
27	115	57	41	28	16	19	28	11	1	3	0	0	0	0	0	0
28	168	84	53	38	24	18	44	12	4	0	0	0	0	0	0	0
29	251	152	90	50	46	23	69	20	3	3	1	0	0	0	0	0
30	236	197	115	60	54	42	78	12	5	0	0	0	0	0	0	0
31	180	179	153	103	64	41	118	23	11	2	0	0	0	0	0	0
32	160	139	142	146	88	59	117	40	12	2	0	0	0	0	0	0
33	113	123	99	128	114	75	166	42	13	0	0	0	1	0	0	0
34	78	83	95	113	87	75	178	45	8	7	1	0	0	0	0	0
35-39	207	230	271	296	326	350	1,199	393	106	20	7	1	0	0	0	0
40-44	56	68	85	110	93	125	828	748	312	81	24	2	1	0	1	0
45-49	17	34	37	34	38	35	333	605	666	224	52	18	5	0	1	0
50-54	6	8	16	13	12	20	177	305	515	530	164	47	9	1	1	0
55-59	3	5	6	6	8	8	59	114	257	390	369	108	21	9	0	0
60-64	0	4	4	2	3	1	20	41	92	177	277	268	64	16	5	0
65-69	0	0	0	3	2	2	15	17	36	43	102	138	113	27	10	0
70-74	0	1	1	0	0	0	3	5	14	27	35	65	90	74	21	0
75 +	0	0	1	0	0	1	1	4	1	11	20	38	36	69	107	0
Not Stated	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3

**Table 33A. Reported Marriages by Age and Previous Marital Status: Missouri, 2018**

Age	Male-Female								Same-Sex							
	Female				Male				Partner 1				Partner 2			
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
Total	38,187	25,554	1,119	11,457	38,187	25,434	1,029	11,670	1,158	881	9	267	1,158	897	9	250
14 and Under	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	10	10	0	0	0	0	0	0	1	1	0	0	0	0	0	0
16	18	18	0	0	3	3	0	0	1	1	0	0	1	1	0	0
17	82	82	0	0	22	22	0	0	0	0	0	0	1	1	0	0
18	563	561	0	2	237	237	0	0	9	9	0	0	8	8	0	0
19	866	859	0	7	492	492	0	0	18	18	0	0	12	12	0	0
20	1,133	1,116	0	15	772	768	0	4	20	19	0	1	10	10	0	0
21	1,449	1,416	0	32	1,076	1,067	2	7	31	30	1	0	22	21	0	1
22	1,838	1,779	2	57	1,420	1,400	0	18	34	33	0	1	38	37	0	1
23	2,075	1,993	0	81	1,554	1,513	0	41	38	35	0	3	36	34	0	2
24	2,136	2,036	2	96	1,801	1,746	0	55	49	42	0	7	50	45	0	5
25	2,185	2,024	1	159	1,891	1,816	0	75	52	48	0	4	63	61	0	2
26	2,220	2,013	6	199	2,063	1,940	0	121	53	41	0	12	64	62	0	2
27	2,070	1,829	8	230	2,048	1,912	0	134	77	70	0	7	48	41	0	7
28	1,968	1,682	7	278	1,899	1,707	4	186	45	41	0	4	54	48	0	6
29	1,726	1,420	6	299	1,878	1,658	3	217	54	44	0	10	65	54	0	11
30	1,462	1,097	9	353	1,612	1,361	2	247	39	32	0	7	45	39	0	6
31	1,275	900	10	362	1,483	1,202	4	277	44	35	0	9	45	37	0	7
32	1,175	790	8	375	1,319	1,004	2	309	51	40	0	11	38	29	0	9
33	1,010	631	15	363	1,212	849	3	359	49	38	0	11	39	32	0	7
34	936	539	10	387	1,053	724	3	323	33	25	0	7	26	20	0	6
35-39	3,522	1,522	56	1,936	4,065	2,179	39	1,837	136	93	2	41	129	94	0	35
40-44	2,462	575	90	1,790	2,748	866	46	1,834	90	53	0	37	96	60	1	34
45-49	2,062	314	117	1,623	2,185	452	55	1,674	75	38	1	36	72	34	1	37
50-54	1,521	171	108	1,240	1,853	276	106	1,462	67	39	0	28	77	46	4	27
55-59	1,052	104	134	812	1,380	145	115	1,117	41	25	1	15	57	38	0	19
60-64	685	48	180	455	980	56	157	767	26	13	1	12	35	23	0	12
65-69	340	12	141	184	511	27	141	339	13	10	1	2	17	6	1	10
70-74	196	8	100	87	337	5	156	174	4	2	1	1	6	3	1	2
75 +	146	2	109	35	289	5	191	92	8	6	1	1	4	1	1	2
Median Age at Marriage	29.3	26.4	58.7	41.3	31.2	27.9	64.1	44.4	32.3	30.2	58.9	39.6	32.5	30.3	54.7	42.8

**Table 33B. Reported Same-Sex Marriages by Age and Previous Marital Status: Missouri, 2018**

Age	Female-Female						Male-Male					
	Partner 1			Partner 2			Partner 1			Partner 2		
	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced	Total	Single	Widowed	Divorced
<b>Total</b>	749	537	5	207	749	567	6	175	409	344	4	60
<b>14 and Under</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>15</b>	1	1	0	0	0	0	0	0	0	0	0	0
<b>16</b>	1	1	0	0	1	1	0	0	0	0	0	0
<b>17</b>	0	0	0	0	1	1	0	0	0	0	0	0
<b>18</b>	7	7	0	0	6	6	0	0	2	2	0	0
<b>19</b>	11	11	0	0	8	8	0	0	7	7	0	0
<b>20</b>	17	17	0	0	6	6	0	0	3	2	0	0
<b>21</b>	21	20	1	0	14	13	0	1	10	10	0	0
<b>22</b>	21	21	0	0	27	26	0	1	13	12	0	0
<b>23</b>	28	25	0	3	28	26	0	2	10	10	0	0
<b>24</b>	38	32	0	6	35	31	0	4	11	10	0	1
<b>25</b>	32	28	0	4	44	43	0	1	20	20	0	0
<b>26</b>	34	24	0	10	42	40	0	2	19	17	0	2
<b>27</b>	52	45	0	7	32	27	0	5	25	25	0	0
<b>28</b>	33	30	0	3	37	33	0	4	12	11	0	1
<b>29</b>	37	30	0	7	47	37	0	10	17	14	0	3
<b>30</b>	26	19	0	7	35	29	0	6	13	13	0	0
<b>31</b>	26	20	0	6	26	20	0	5	18	15	0	3
<b>32</b>	33	23	0	10	24	16	0	8	18	17	0	1
<b>33</b>	34	23	0	11	24	19	0	5	15	15	0	0
<b>34</b>	20	13	0	7	20	14	0	6	13	12	0	0
<b>35-39</b>	80	51	2	27	83	55	0	28	56	42	0	14
<b>40-44</b>	61	30	0	31	59	33	1	25	29	23	0	6
<b>45-49</b>	48	18	0	30	44	18	1	25	27	20	1	6
<b>50-54</b>	41	23	0	18	46	26	2	18	26	16	0	10
<b>55-59</b>	19	11	0	8	32	22	0	10	22	14	1	7
<b>60-64</b>	16	5	1	10	16	11	0	5	10	8	0	2
<b>65-69</b>	6	6	0	0	8	3	1	4	7	4	1	2
<b>70-74</b>	2	1	0	1	2	2	0	0	2	1	1	0
<b>75 +</b>	4	2	1	1	2	1	1	0	4	4	0	0
<b>Median Age at Marriage</b>	31.5	29.3	38.2	38.9	31.6	29.6	52.7	40.0	33.3	32.1	62.8	42.7
										32.1		
										34.3		
										32.1	55.0	49.1

**Table 34A. Reported Male-Female Marriages by Race: Missouri, 2018**

<u>Race of Female Partner</u>	Total	<u>Race of Male Partner</u>		
		White	Black	Other
Total	38,187	31,239	3,804	1,136
White	31,467	29,715	796	555
Black	3,295	370	2,844	42
Other	1,317	699	79	532
Unknown	2,108	455	85	7
				1,561

**Table 34B. Reported Female-Female Marriages by Race: Missouri, 2018**

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>		
		White	Black	Other
Total	749	571	104	22
White	581	534	17	17
Black	98	15	80	2
Other	21	13	4	3
Unknown	49	9	3	0
				37

**Table 34C. Reported Male-Male Marriages by Race: Missouri, 2018**

<u>Race of Second Partner</u>	Total	<u>Race of First Partner</u>		
		White	Black	Other
Total	409	335	32	13
White	326	301	12	5
Black	31	8	20	1
Other	21	14	0	7
Unknown	31	12	0	0
				19



**Table 35A. Reported Marriages by County of Recording with Rates per 1,000 Population: Missouri, 2018**

Counties	Population	Marriages	Rate
State Total	6,126,452	39,692	6.5
Adair	25,339	161	6.4
Andrew	17,607	118	6.7
Atchison	5,171	32	6.2
Audrain	25,473	154	6.0
Barry	35,886	161	4.5
Barton	11,798	83	7.0
Bates	16,320	99	6.1
Benton	19,278	95	4.9
Bollinger	12,169	70	5.8
Boone	180,005	1,080	6.0
Buchanan	88,571	525	5.9
Butler	42,639	305	7.2
Caldwell	9,108	45	4.9
Callaway	44,889	197	4.4
Camden	45,815	323	7.1
Cape Girardeau	78,753	537	6.8
Carroll	8,743	60	6.9
Carter	6,054	38	6.3
Cass	104,954	592	5.6
Cedar	14,165	78	5.5
Chariton	7,451	39	5.2
Christian	86,983	497	5.7
Clark	6,842	41	6.0
Clay	246,365	1,423	5.8
Clinton	20,470	102	5.0
Cole	76,796	569	7.4
Cooper	17,603	100	5.7
Crawford	23,957	161	6.7
Dade	7,569	19	2.5
Dallas	16,762	90	5.4
Daviess	8,313	82	9.9
DeKalb	12,630	51	4.0
Dent	15,441	90	5.8
Douglas	13,373	77	5.8
Dunklin	29,423	202	6.9
Franklin	103,670	679	6.5
Gasconade	14,705	110	7.5
Gentry	6,628	41	6.2

Counties	Population	Marriages	Rate
Greene	291,923	2,332	8.0
Grundy	9,914	61	6.2
Harrison	8,414	64	7.6
Henry	21,792	153	7.0
Hickory	9,509	47	4.9
Holt	4,404	27	6.1
Howard	10,137	49	4.8
Howell	40,076	323	8.1
Iron	10,177	45	4.4
Jackson	700,307	5,802	8.3
Jasper	120,636	905	7.5
Jefferson	224,347	1,090	4.9
Johnson	53,652	342	6.4
Knox	3,947	26	6.6
Laclede	35,713	278	7.8
Lafayette	32,598	180	5.5
Lawrence	38,359	263	6.9
Lewis	9,855	49	5.0
Lincoln	57,686	339	5.9
Linn	12,037	58	4.8
Livingston	15,146	123	8.1
Macon	15,153	95	6.3
Madison	12,188	77	6.3
Maries	8,769	44	5.0
Marion	28,592	239	8.4
McDonald	23,078	174	7.5
Mercer	3,641	30	8.2
Miller	25,336	145	5.7
Mississippi	13,336	97	7.3
Moniteau	16,121	76	4.7
Monroe	8,664	31	3.6
Montgomery	11,534	56	4.9
Morgan	20,358	136	6.7
New Madrid	17,296	93	5.4
Newton	58,266	384	6.6
Nodaway	22,304	121	5.4
Oregon	10,541	51	4.8
Osage	13,714	77	5.6
Ozark	9,017	38	4.2

Counties	Population	Marriages	Rate
Pemiscot	16,272	77	4.7
Perry	19,150	128	6.7
Pettis	42,542	324	7.6
Phelps	44,732	284	6.3
Pike	18,504	99	5.4
Platte	102,985	575	5.6
Polk	32,201	237	7.4
Pulaski	52,014	503	9.7
Putnam	4,757	28	5.9
Ralls	10,212	52	5.1
Randolph	24,763	164	6.6
Ray	22,883	145	6.3
Reynolds	6,254	38	6.1
Ripley	13,401	98	7.3
Saline	22,895	138	6.0
Schuyler	4,599	28	6.1
Scotland	4,966	37	7.5
Scott	38,458	250	6.5
Shannon	8,189	38	4.6
Shelby	6,050	37	6.1
St. Charles	399,182	2,271	5.7
St. Clair	9,395	40	4.3
St. Francois	66,692	518	7.8
St. Louis City	302,838	2,213	7.3
St. Louis County	996,945	5,405	5.4
Ste. Genevieve	17,888	109	6.1
Stoddard	29,206	197	6.7
Stone	31,749	165	5.2
Sullivan	6,221	28	4.5
Taney	55,852	669	12.0
Texas	25,571	132	5.2
Vernon	20,528	163	7.9
Warren	34,711	236	6.8
Washington	24,943	148	5.9
Wayne	13,122	85	6.5
Webster	39,109	265	6.8
Worth	2,040	13	6.4
Wright	18,378	109	5.9

**Table 35B. Reported Marriages by Gender and County of Recording: Missouri, 2018**

Counties	Male-Female	Female-Female	Male-Male	Not Stated
State Total	38,187	749	409	347
Adair	148	6	6	1
Andrew	112	6	0	0
Atchison	32	0	0	0
Audrain	152	2	0	0
Barry	154	0	2	5
Barton	80	1	2	0
Bates	76	1	0	22
Benton	94	0	1	0
Bollinger	68	0	1	1
Boone	1,046	23	11	0
Buchanan	525	0	0	0
Butler	298	4	3	0
Caldwell	45	0	0	0
Callaway	195	1	1	0
Camden	313	8	2	0
Cape Girardeau	517	16	3	1
Carroll	58	2	0	0
Carter	37	0	1	0
Cass	580	9	3	0
Cedar	77	0	1	0
Charlton	39	0	0	0
Christian	491	3	3	0
Clark	40	1	0	0
Clay	1,381	28	14	0
Clinton	100	2	0	0
Cole	560	5	4	0
Cooper	95	4	1	0
Crawford	157	1	3	0
Dade	12	0	0	7
Dallas	89	0	1	0
Davies	44	3	1	34
DeKalb	51	0	0	0
Dent	89	1	0	0
Douglas	76	1	0	0
Dunklin	199	3	0	0
Franklin	663	10	6	0
Gasconade	108	1	0	1
Gentry	40	0	1	0

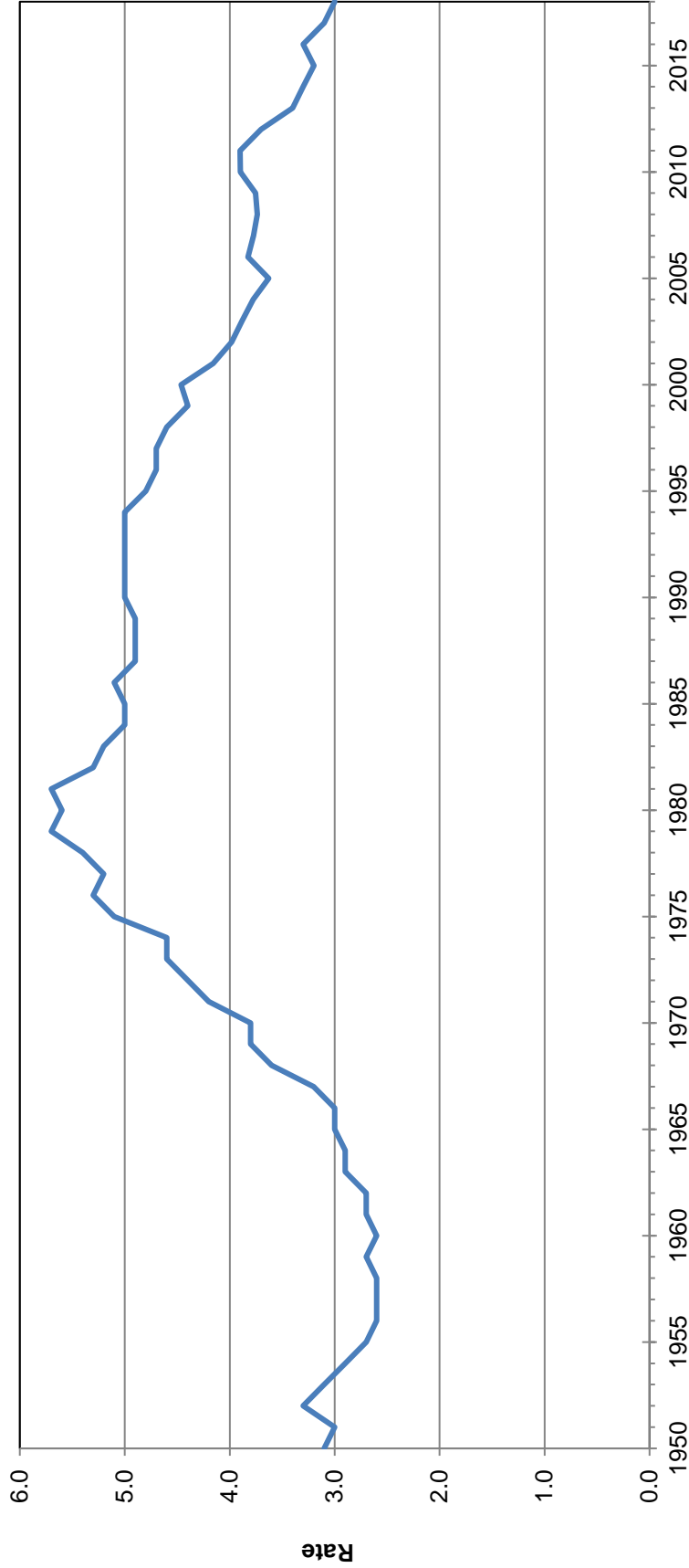
Counties	Male-Female	Female-Female	Male-Male	Not Stated
Greene	2,232	65	35	0
Grundy	33	0	1	27
Harrison	64	0	0	0
Henry	149	2	2	0
Hickory	44	1	2	0
Holt	22	1	0	4
Howard	45	2	1	1
Howell	319	4	0	0
Iron	44	1	0	0
Jackson	5,533	159	110	0
Jasper	887	15	3	0
Jefferson	1,060	20	9	1
Johnson	334	3	5	0
Knox	26	0	0	0
Laclede	276	1	1	0
Lafayette	173	2	4	1
Lawrence	253	4	1	5
Lewis	47	2	0	0
Lincoln	335	4	0	0
Linn	57	1	0	0
Livingston	122	1	0	0
Macon	91	3	0	1
Madison	77	0	0	0
Maries	44	0	0	0
Marion	236	3	0	0
McDonald	170	3	0	1
Mercer	28	0	1	1
Miller	141	3	1	0
Mississippi	94	1	2	0
Moniteau	75	1	0	0
Monroe	30	0	0	1
Montgomery	56	0	0	0
Morgan	135	0	1	0
New Madrid	90	2	1	0
Newton	379	4	1	0
Nodaway	119	2	0	0
Oregon	51	0	0	0
Osage	74	3	0	0
Ozark	30	0	1	7

Counties	Male-Female	Female-Female	Male-Male	Not Stated
Pemiscot	76	0	0	1
Perry	61	1	0	66
Pettis	315	8	1	0
Phelps	278	3	2	1
Pike	96	2	1	0
Platte	555	14	6	0
Polk	232	4	1	0
Pulaski	491	11	1	0
Putnam	14	0	0	14
Ralls	49	2	1	0
Randolph	163	1	0	0
Ray	49	3	0	93
Reynolds	38	0	0	0
Ripley	92	4	1	1
Saline	136	0	1	1
Schuyler	27	0	0	1
Scotland	37	0	0	0
Scott	248	0	2	0
Shannon	36	2	0	0
Shelby	37	0	0	0
St. Charles	2,216	42	13	0
St. Clair	24	0	0	16
St. Francois	502	8	7	1
St. Louis City	2,080	60	55	18
St. Louis County	5,228	116	56	5
Ste. Genevieve	109	0	0	0
Stoddard	195	2	0	0
Stone	165	0	0	0
Sullivan	24	0	0	4
Taney	658	8	2	1
Texas	132	0	0	0
Vernon	162	0	1	0
Warren	233	1	1	1
Washington	146	1	1	0
Wayne	85	0	0	0
Webster	264	1	0	0
Worth	12	0	0	1
Wright	106	0	3	0

**Table 35C. Reported Marriages by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2018**

BRFSS Region	Population	Total	Rate	Male-Female	Rate	Same-Sex	Rate
State Total	6,126,452	39,692	6.5	38,187	6.2	1,158	0.2
Northeast	249,548	1,564	6.3	1,480	5.9	33	0.1
Northwest	238,477	1,476	6.2	1,413	5.9	24	0.1
Central	726,640	4,743	6.5	4,634	6.4	106	0.1
Southeast	567,623	3,732	6.6	3,580	6.3	74	0.1
Southwest	944,838	6,820	7.2	6,616	7.0	169	0.2
St. Louis Region	2,143,336	12,394	5.8	11,972	5.6	397	0.2
Kansas City Region	1,255,990	8,963	7.1	8,492	6.8	355	0.3
Metro	4,608,032	29,526	6.4	28,414	6.2	967	0.2
Non-Metro	1,518,420	10,166	6.7	9,773	6.4	191	0.1

Graph G. Dissolution Rates per 1,000 Population: Missouri, 1950-2018



Year	Dissolutions	Rate	Year	Dissolutions	Rate
1950	12,177	3.1	1985	24,990	5.0
1955	11,351	2.7	1990	25,701	5.0
1960	11,320	2.6	1995	25,733	4.8
1965	13,261	3.0	2000	24,980	4.5
1970	17,852	3.8	2005	21,013	3.6
1975	24,527	5.1	2010	23,349	3.9
1980	27,595	5.6	2011	23,272	3.9
			2012	22,550	3.7
			2013	20,684	3.4
			2014	19,877	3.3
			2015	19,330	3.2
			2016	19,997	3.3
			2017	19,187	3.1
			2018	18,630	3.0

**Table 36. Reported Marriage Dissolution Decrees by Month and by Type of Decree: Missouri, 2018**

	Total Decrees	Dissolutions	Legal Separations	Annulments
<b>State Total</b>	18,723	18,577	93	53
<b>January</b>	1,433	1,416	10	7
<b>February</b>	1,354	1,339	11	4
<b>March</b>	1,622	1,615	2	5
<b>April</b>	1,642	1,632	8	2
<b>May</b>	1,725	1,718	5	2
<b>June</b>	1,593	1,587	3	3
<b>July</b>	1,586	1,573	13	0
<b>August</b>	1,661	1,647	11	3
<b>September</b>	1,345	1,331	12	2
<b>October</b>	1,613	1,604	5	4
<b>November</b>	1,543	1,525	8	10
<b>December</b>	1,606	1,590	5	11

**Table 37. Reported Dissolutions and Annulments of Marriage by Number of Previous Marriages: Missouri, 2018**

<u>Husband</u>	Total	<u>Wife</u>					
		None	One	Two	Three	Four	Five Or More
<b>State Total</b>	18,630	10,891	3,819	1,200	399	113	53
<b>None</b>	10,991	9,019	1,533	275	65	15	6
<b>One</b>	3,924	1,482	1,607	528	168	48	21
<b>Two</b>	1,132	279	450	243	93	26	13
<b>Three</b>	313	48	112	84	45	11	7
<b>Four</b>	86	9	22	30	15	6	2
<b>Five Or More</b>	36	7	10	8	4	3	4
<b>Unknown</b>	2,148	47	85	32	9	4	0
							1,971

Currently, the dissolution and annulment data do not include a variable for gender. To remain consistent with previous years, the terminology of "Husband" and "Wife" will remain until a gender variable is added to the data.

**Table 38. Reported Dissolutions and Annulments of Marriage by Duration of Marriage  
and Number of Children Affected: Missouri, 2018**

	Duration	Children Affected								
		Total	No Children	One	Two	Three	Four	Five	Six Or More	Unknown
	State Total	18,630	9,979	3,752	3,208	1,187	319	70	33	82
	Under 1 Year	458	408	26	10	5	4	2	1	2
	1 Year	1,060	841	149	49	14	2	1	2	2
	2 Years	1,296	918	257	98	15	3	0	0	5
	3 Years	1,314	810	315	142	32	7	1	0	7
	4 Years	1,193	685	282	165	43	8	1	1	8
	5 Years	1,062	539	291	174	43	9	1	0	5
	6 Years	1,112	558	259	202	75	14	1	1	2
	7 Years	1,005	432	241	232	77	13	5	0	5
	8-9 Years	1,544	604	351	384	157	36	3	5	4
	10-12 Years	1,983	768	409	524	207	54	11	5	5
	13-15 Years	1,469	547	282	372	176	64	16	5	7
	16-19 Years	1,597	527	329	445	202	66	17	5	6
	20-24 Years	1,370	635	316	281	89	27	6	5	11
	25-29 Years	900	646	146	68	23	4	5	2	6
	30-34 Years	475	425	36	11	2	1	0	0	0
	35-39 Years	244	234	5	4	0	0	0	0	1
	40 Years and	224	215	5	2	2	0	0	0	0
	Unknown	324	187	53	45	25	7	0	1	6

**Table 39. Reported Dissolutions and Annulments of Marriage by Race of Wife by Race of Husband: Missouri, 2018**

<u>Wife</u>	Total	<u>Husband</u>		
		White	Black	Other
Total	18,630	14,269	1,637	223
White	14,436	13,780	319	121
Black	1,393	95	1,257	10
Other	254	150	17	81
Unknown	2,547	244	44	11

**Table 40. Reported Dissolutions and Annulments of Marriage by Petitioner by Disposition of Children and by Child Support Awarded: Missouri, 2018**

<u>Petitioner</u>	Total	<u>Custody Given To:</u>					
		Husband	Wife	Joint	Other	No Children	Unknown
State Total	18,630	345	1,894	5,809	188	10,333	61
Husband	6,881	290	274	2,218	71	4,004	24
Wife	10,881	43	1,556	3,380	111	5,759	32
Joint	296	2	20	95	3	172	4
Other	21	0	1	0	0	20	0
Unknown	551	10	43	116	3	378	1

<u>Petitioner</u>	Total	<u>Child Support Awarded To:</u>					
		Husband	Wife	No Support	Other	No Children	Unknown
State Total	18,630	340	4,796	3,049	8	10,333	104
Husband	6,881	241	1,321	1,266	6	4,004	43
Wife	10,881	89	3,311	1,666	2	5,759	54
Joint	296	0	60	59	0	172	5
Other	21	0	0	1	0	20	0
Unknown	551	10	104	57	0	378	2

**Table 41. Reported Dissolutions and Annulments of Marriage by Age of Wife by Age of Husband: Missouri, 2018**

Age of Wife	Total	Age of Husband									
		Less Than 20	20-24	25-29	30-34	35-39	40-44	45-54	55-64	65 +	Unknown
Total	18,630	31	651	1,880	2,646	2,973	2,599	4,294	2,394	850	312
Less Than 20	61	9	37	8	4	0	0	1	0	0	2
20-24	998	13	450	386	82	32	10	9	1	4	11
25-29	2,439	4	117	1,152	765	233	66	49	11	6	36
30-34	2,906	2	19	198	1,275	911	277	149	33	6	36
35-39	3,053	1	4	56	328	1,300	852	408	58	12	34
40-44	2,534	0	4	21	87	336	946	945	139	16	40
45-54	3,798	0	1	11	39	109	362	2,313	845	77	41
55-64	1,834	1	0	3	2	7	28	315	1,130	326	22
65 +	547	0	1	1	2	1	4	19	128	378	13
Unknown	460	1	18	44	62	44	54	86	49	25	77



**Table 42A. Reported Dissolutions and Annulments by County of Recording with Rates per 1,000 Population: Missouri, 2018**

Counties	Population	Decrees	Rate
<b>State Total</b>	<b>6,126,452</b>	<b>18,630</b>	<b>3.0</b>
Adair	25,339	58	2.3
Andrew	17,607	150	8.5
Atchison	5,171	19	3.7
Audrain	25,473	72	2.8
Barry	35,886	55	1.5
Barton	11,798	40	3.4
Bates	16,320	50	3.1
Benton	19,278	80	4.1
Bollinger	12,169	32	2.6
Boone	180,005	494	2.7
Buchanan	88,571	203	2.3
Butler	42,639	238	5.6
Caldwell	9,108	17	1.9
Callaway	44,889	137	3.1
Camden	45,815	134	2.9
Cape Girardeau	78,753	296	3.8
Carroll	8,743	24	2.7
Carter	6,054	24	4.0
Cass	104,954	276	2.6
Cedar	14,165	59	4.2
Chariton	7,451	17	2.3
Christian	86,983	364	4.2
Clark	6,842	24	3.5
Clay	246,365	798	3.2
Clinton	20,470	29	1.4
Cole	76,796	100	1.3
Cooper	17,603	60	3.4
Crawford	23,957	112	4.7
Dade	7,569	18	2.4
Dallas	16,762	40	2.4
Davies	8,313	16	1.9
DeKalb	12,630	27	2.1
Dent	15,441	68	4.4
Douglas	13,373	43	3.2
Dunklin	29,423	110	3.7
Franklin	103,670	343	3.3
Gasconade	14,705	53	3.6
Gentry	6,628	82	12.4

Counties	Population	Decrees	Rate
Greene	291,923	1,202	4.1
Grundy	9,914	37	3.7
Harrison	8,414	38	4.5
Henry	21,792	87	4.0
Hickory	9,509	26	2.7
Holt	4,404	13	3.0
Howard	10,137	26	2.6
Howell	40,076	200	5.0
Iron	10,177	30	2.9
Jackson	700,307	1,725	2.5
Jasper	120,636	606	5.0
Jefferson	224,347	525	2.3
Johnson	53,652	182	3.4
Knox	3,947	9	2.3
Laclede	35,713	153	4.3
Lafayette	32,598	102	3.1
Lawrence	38,359	86	2.2
Lewis	9,855	24	2.4
Lincoln	57,686	143	2.5
Linn	12,037	40	3.3
Livingston	15,146	74	4.9
Macon	15,153	66	4.4
Madison	12,188	57	4.7
Maries	8,769	25	2.9
Marion	28,592	132	4.6
McDonald	23,078	89	3.9
Mercer	3,641	14	3.8
Miller	25,336	80	3.2
Mississippi	13,336	52	3.9
Moniteau	16,121	54	3.3
Monroe	8,664	26	3.0
Montgomery	11,534	33	2.9
Morgan	20,358	53	2.6
New Madrid	17,296	50	2.9
Newton	58,266	179	3.1
Nodaway	22,304	58	2.6
Oregon	10,541	28	2.7
Osage	13,714	31	2.3
Ozark	9,017	32	3.5

Counties	Population	Decrees	Rate
Pemiscot	16,272	70	4.3
Perry	19,150	62	3.2
Pettis	42,542	203	4.8
Phelps	44,732	175	3.9
Pike	18,504	56	3.0
Platte	102,985	388	3.8
Polk	32,201	101	3.1
Pulaski	52,014	161	3.1
Putnam	4,757	20	4.2
Ralls	10,212	44	4.3
Randolph	24,763	98	4.0
Ray	22,883	64	2.8
Reynolds	6,254	17	2.7
Ripley	13,401	83	6.2
Saline	22,895	56	2.4
Schuyler	4,599	11	2.4
Scotland	4,966	11	2.2
Scott	38,458	164	4.3
Shannon	8,189	32	3.9
Shelby	6,050	29	4.8
St. Charles	399,182	1,266	3.2
St. Clair	9,395	30	3.2
St. Francois	66,692	248	3.7
St. Louis City	302,838	434	1.4
St. Louis County	996,945	2,470	2.5
Ste. Genevieve	17,888	54	3.0
Stoddard	29,206	176	6.0
Stone	31,749	98	3.1
Sullivan	6,221	20	3.2
Taney	55,852	196	3.5
Texas	25,571	76	3.0
Vernon	20,528	77	3.8
Warren	34,711	83	2.4
Washington	24,943	83	3.3
Wayne	13,122	41	3.1
Webster	39,109	137	3.5
Worth	2,040	70	34.3
Wright	18,378	77	4.2

**Table 42B. Reported Dissolutions and Annulments by BRFSS Region of Recording with Rates per 1,000 Population: Missouri, 2018**

BRFSS Region	Population	Decrees Recorded	Rate
Total	6,126,452	18,630	3.0
Northeast	249,548	866	3.5
Northwest	238,477	882	3.7
Central	726,640	2,195	3.0
Southeast	567,623	2,292	4.0
Southwest	944,838	3,570	3.8
St. Louis Region	2,143,336	5,376	2.5
Kansas City Region	1,255,990	3,449	2.7
Metro	4,608,032	13,037	2.8
Non-Metro	1,518,420	5,593	3.7

## **APPENDIX**

On January 1, 2010, the Missouri Department of Health and Senior Services (MDHSS) implemented two significant changes relating to the tabulation of statistical data on vital events in Missouri. MDHSS launched a web-based registration system and began registering births and deaths using the 2003 Revision of the US Standard Certificates of Live Births and Deaths. The web-based registration system collected some existing data items in different ways. The revised certificates stopped collecting some data items, included new data items, and collected old information in new ways. As a result, differences in tabulations since 2010 may be the result of changes in data collection methods rather than changes in health status. Major changes in data collection methods are addressed in this appendix. Differences between 2018 tabulations and pre-2010 tabulations should be evaluated with these changes in mind.

### **RELIABILITY OF THE DATA**

In analyzing any data including vital statistics, the potential for error in the data must not be overlooked. There are several types of errors possible including: under-registration, errors made by the informant, and errors in compiling and processing.

The most potentially dangerous error is that of improper interpretation. Statistics are neither more true nor false than the interpretation given to them. Particular caution must be used in analyzing trend data, because changes have occurred over the years in medical diagnosis, coding definitions, and registration methodology.

Care should be taken in using rates where the number of events or reference population is small. Minor differences in the number of events may result in major changes in the rates. Rates based on fewer than 20 events are very unstable. Most of the rates computed for this report are crude rates. In comparing rates for geographic areas and time periods, crude rates are limited because they do not take into account the differences in age, sex, race, and other population characteristics.

### **SOURCES OF VITAL RECORDS**

Vital statistics in Missouri are compiled from six basic records which are filed with MDHSS by state law. These records are: (1) live birth records, (2) death records, and (3) fetal death records, each beginning in 1911; (4) marriage and (5) divorce records, beginning in 1949; and (6) abortion records, beginning in 1975.

Missouri cooperates with other states in the exchange of records for live births, fetal deaths, deaths, and abortions, including events occurring to Missouri residents in other states. However, MDHSS has not received individual abortion records from Illinois since 1983 and did not receive records from Tennessee clinics from 1997 to 2005. Instead, MDHSS received estimates of Missouri resident abortions from some Tennessee clinics from 1997 to 2005, and an estimate of Missouri resident abortions was received from Illinois for 1988-2018. MDHSS also received abortion counts of Missouri resident abortions for 2014-2017 from Arkansas. These estimates and counts are shown in Graph D.

There is no interstate exchange of records for marriages, dissolutions, and annulments. Tables using these data files (Tables 31 through 42) report events that occurred in Missouri, regardless of the residence of the parties involved.

The data within this report represent the 2018 calendar year of events. Live births were accepted through February 22, 2019; death, fetal death, abortion, and marriage records through April 15, 2019; and dissolutions through April 25, 2019.

Except where noted, historical vital statistics data are taken from annual MDHSS vital statistics reports.

## **POPULATION**

All Missouri county and city population estimates for 2018 were developed by the United States Census Bureau (Vintage 2018). Counts for all decennial years were taken from the United States Census Bureau for those years. Age-sex-specific estimates and counts were also taken from the Census Bureau with the exception of the Less than Age One population, which used the number of that year's resident live births.

The source of the state total estimates for non-Census years 1911-1969 is the US Census Bureau P-25 series. State estimates for 1971-1979 were obtained from the US Census Bureau publication, "Preliminary Intercensal Estimates of the Population of Counties." Age-sex-specific population estimates for 1981 - 1989 were developed by the US Census Bureau in unpublished tables. State population estimates for 1991-1999 and 2001-2009 also came from the US Census Bureau. MDHSS used these as controls in developing 1991-1999 age-sex-specific population estimates for Missouri. Estimates of the 2001-2009 age-sex-specific state population were adjusted to the 2010 counts and provided by the US Census Bureau (published October 2012). State total population estimates for 2011-2018 came from the US Census Bureau (Vintage 2018).

## **RACE and HISPANIC ORIGIN (ETHNICITY)**

Since the 1989 report, birth, fetal death, and infant death data have been presented by race of mother. Before 1989, this data was presented by race of child. The change in 1989 was implemented to be consistent with the National Center for Health Statistics (NCHS), which also implemented this change in 1989. Race of child had been computed by an algorithm based on the race of mother and race of father. Persons of mixed parentage were classified according to the race of the nonwhite parent. Because of this rather arbitrary formula and the increasing proportion of out-of-wedlock births in which father's race is missing, NCHS decided to implement this change to race of mother.

Beginning with the 2010 vital statistics report, tabulations of race for live births, deaths, and abortions refer to four mutually-exclusive groups that take into account Hispanic origin. The groups are "white, non-Hispanic"; "black, non-Hispanic"; "other/multiple race, non-Hispanic"; and "Hispanic, all races". For tabulations prior to 2010, "race" refers to the classification of the population into three distinct groups: white, black, and other. Before 2010, persons of Latin American birth or ancestry who were not identified as being American Indian or other designated race were classified as white.

The 2010 methodology was changed to be consistent with changes in population data from the decennial US Census, the 2003 US Standard certificates for live births and deaths, and the 2003 US Standard Report of Fetal Death. Prior to 2010, only one race could be selected. "Multiple race" was available as a primary selection, but no details were captured. Beginning with 2010 birth and death data, more than one race can be selected. Analysis of 2018 Missouri resident data showed that 3.3 percent of births were to mothers of multiple races and 0.3 percent of deaths were to multiple race decedents. Therefore, records of mothers and decedents which indicate only white or only black as their race, and do not indicate Hispanic origin, are classified in this report as white,

non-Hispanic, or black, non-Hispanic, respectively. The "other/multiple, non-Hispanic" race group now includes persons selecting multiple races as well as persons identified as American Indian or Alaska Native (AIAN), Asian Indian, Chinese, Filipino, Japanese, Korean, Vietnamese, other Asian, Native Hawaiian, Guamanian or Chamorro, Samoan, Other Pacific Islander, or other specified race, but not of Hispanic origin. Persons of unknown race are not included in "other/multiple," but are included in the total of all races. This method allows for comparison of statistics on race across the different methods of collecting race information.

Appendix Table A shows the effects of the changes in race and Hispanic origin classification on low birth weight rates using 2018 resident live births. The number of white, non-Hispanic and black, non-Hispanic births using the 2010 method were both reduced from the White and Black totals using the pre-2010 method, as the Hispanic births and births involving multiple races have been removed. White, non-Hispanic births (2010 method) were 6.2 percent less than white births (pre-2010 method). The 2010 method resulted in about 9.7 percent fewer black, non-Hispanic births than black births using the pre-2010 method. The low birth weight rate for white, non-Hispanics of 7.3 percent was equal to the 7.3 white rate. The low birth weight rate for black, non-Hispanics was 15.9 percent compared to 15.6 percent for black births using the pre-2010 method. The overall black to white ratio for low birth weight was 2.12 using the pre-2010 method compared with 2.18 using the new 2010 method.

**Appendix Table A**  
**Effects of Changes in Racial Classification Methods on 2018 Low Birth Weight**  
**(less than 5.5 lbs) Rates by Race**

**Pre-2010 Definition (single race\* selected)**

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
<b>White</b>	57,068	4,193	7.3	
<b>Black</b>	11,677	1,821	15.6	2.12
<b>Other and Multiple</b>	4,255	368	8.6	
<b>Unknown race</b>	281	29	10.3	
<b>Total</b>	73,281	6,411	8.7	

**2010 Definition (multiple races\*\* and Hispanic origin included)**

<u>Mother's Race</u>	<u>Live Births</u>	<u>LBW</u>	<u>LBW Rate</u>	<u>Black/White Ratio</u>
<b>White, Non-Hispanic</b>	53,549	3,914	7.3	
<b>Black, Non-Hispanic</b>	10,543	1,680	15.9	2.18
<b>Hispanic, any Race</b>	4,407	321	7.3	
<b>Other and Multiple</b>	4,708	484	10.3	
<b>Unknown race</b>	74	12	16.2	
<b>Total (includes unknown race)</b>	73,281	6,411	8.7	

\* Single-race method includes Hispanic mothers in White, Black and Other/Multiple classifications.

\*\*Multiple-race method excludes Hispanic mothers from White, Black and Other/Multiple classifications.

Users of the MDHSS MOPHIMS/MICA query tools

(<https://healthapps.dhss.mo.gov/MoPhims/MICAHome>) should note that the above changes are not

reflected in the Birth and Death MICA queries for 2010 and beyond. Instead, an algorithm from NCHS is used to make race-specific statistics from both multiple-race and single-race data collection systems that are sufficiently comparable to permit analysis. Hispanic origin was maintained as a separate category of analysis in the Birth and Death MICAs. This was done to keep analyses as consistent with the prior years of data as possible. (Filtering of Hispanic origin for data queries is still supported.)

As a result, small differences will be found between statistics calculated by MICA and statistics in this report. The changes in racial classification tended to have a greater effect on the “other/multiple race, non-Hispanic” category as the low birth weight rate for this group increased from 8.6 percent using the single-race method to 10.3 percent using the multiple-race method. The birth denominator count for this classification was similar using both methods, but the individual mothers within each group were very different. The single-race method includes a large proportion of Hispanics as “other/multiple race”, while the multiple-race method includes mothers with multiple declared races instead. (See Appendix Table A above.)

## **"RESIDENT" AND "RECORDED" EVENTS**

It is important to understand the significance of the terms "Resident" and "Recorded" when analyzing vital statistics.

"Resident" data for vital events pertain to persons residing in a particular area, independent of where the event occurred. An exception to this is that when a person dies in a hospital, nursing home, or other institution, the usual place of residence before admission determines the place of residence. In the case of live births, fetal deaths, and infant deaths, the residence of the mother is considered to be the residence of the child. "Recorded" data for vital events are based on where the event occurred. Analysis using recorded data may include records of non-Missouri residents.

Resident and recorded figures are independent of each other and should neither be added to nor subtracted from the other. Thus, the number of events occurring or not occurring in the same geographic area where the people reside cannot be simply calculated from resident and recorded data. Each table indicates whether the analysis is for resident or recorded data.

## **GEOCODING**

Beginning with 2008 data, MDHSS uses a computerized geocoding package (Address Broker) to improve the accuracy of residence address information on Missouri resident birth and death records for the entire state. If the record's address, including resident county, city, and zip code, matches well with available address data, the software overwrites the existing values on the record and also adds latitude, longitude, and Census tract. If no match is available or the best match is not accurate enough, address information is left as reported, and latitude, longitude, and Census tract are not added.

From 2000 through 2007, only the following metropolitan counties were geocoded: Buchanan, Cass, Clay, Greene, Jackson, Jefferson, Platte, Ray, St. Charles, St. Louis County, and St. Louis City.

## **REGIONS**

Beginning with the 2010 report, Missouri Regional Planning Commission areas were replaced with Behavioral Risk Factor Surveillance System (BRFSS) regions. This change was made to support

and enhance MDHSS BRFSS survey data. More information on BRFSS, along with public access data, can be found at: <https://health.mo.gov/data/brfss/index.php>. A map of the BRFSS region boundaries is included in this report on page vi.

**METRO (METROPOLITAN) vs. NON-METRO COUNTIES**

Tables displaying BRFSS region data also include metro and non-metro groupings. These groupings cut across BRFSS regions so that a subset of all BRFSS regions is not equivalent to the metro or non-metro groupings. The metro counties are: Andrew, Bollinger, Buchanan, Bates, Boone, Caldwell, Callaway, Cape Girardeau, Cass, Christian, Clay, Clinton, Cole, Dallas, Greene, Franklin, Howard, Jackson, Jasper, Jefferson, Lafayette, Lincoln, McDonald, Moniteau, Newton, Osage, Platte, Polk, Ray, St. Charles, St. Louis, Warren, Webster, and Washington counties, as well as St. Louis City. The eighty other counties are defined as non-metro. A map of metro and non-metro regions is included in this report on page vi, adapted from a map prepared by the US Census Bureau, Geography Division. (US Department of Commerce, Economics and Statistics Administration, August 31, 2010.)

**UNKNOWNNS AND IMPUTED DATA**

Records of Missouri residents with unknown county of residence are included in the state totals of this publication. In general, state totals always include records with variables that have any unknown values. The number of 2018 records with unknown county of residence by system is as follows:

Live Births.....	0
Fetal Deaths.....	3
Deaths.....	1
Abortions .....	74

To account for unknown data items and inconsistencies in reporting to MDHSS, the following imputations and data interpretations were made in this report:

- Unknown sex is considered male.
- Unknown county of mother’s or decedent’s residence is replaced with the county of recording when the recording occurs in Missouri.
- Unknown marital status is considered not married, out-of-wedlock. (Prior to 2010, unknown marital status was considered married.)
- Unknown live birth order is considered 1st.
- Unknown number born is considered singleton.
- Maternal age greater than or equal to age 65 is considered unknown.
- Unknown month of last live birth is considered June.
- Unknown day of last live birth is considered 15th.
- Unknown average amount smoked for any trimester or for the three months prior to pregnancy is considered unknown maternal smoking status.
- Prepregnancy weight less than 50 pounds or greater than 400 pounds is considered unknown prepregnancy weight. Postpregnancy weight less than 50 pounds or greater than 450 pounds is considered unknown postpregnancy weight.
- Negative weight gain during pregnancy (weight loss) is considered 0 pounds gained.

## INDICATORS CHANGED OR REMOVED FROM THIS REPORT

The following indicators appeared in prior editions of this report but were changed as noted or removed beginning with the 2010 report:

- **Maternal Drinking During Pregnancy:** Data item was removed by NCHS from the 2003 revision of the US Standard Birth Certificate. Self-reporting by mothers on this data item was found to be poor at best.
- **Maternal Smoking During Pregnancy (Table 10):** Smoking during any trimester of pregnancy. Data item was revised by NCHS on the 2003 revision of the US Standard Birth Certificate to provide opportunity to analyze the patterns of maternal smoking. (See “Enhanced Data on Maternal Smoking (Table 5A, Table 10)” for details.)
- **Years at Present Address:** Data item was removed from certificate by MDHSS to make room for other items.
- **Maternal Transfers:** Due to the low number of events in recent years, this indicator was removed.
- **Crown Heel Length:** Data item was removed by MDHSS due to poor reporting and lack of reliability.
- **Birth Spacing Less Than 18 Months (Table 10):** The full date of last live birth is now collected instead of only month and year. As a result, births that took place more than 17 months but less than 18 months after the last live birth are now counted. This is a factor contributing to the increase in the rate for this indicator since 2009.
- **Obstetric and Pediatric Conditions and Procedures, Congenital Anomalies and Abnormal Conditions of Newborn (Table 5B):** See “Medical Information on Birth Records” below for a detailed description of changes made to these indicators.
- **Live Birth Order (Table 6, Table 7, and Table 10):** Definition changed to include all prior live births, regardless of current vital status. As such, Live Birth Order of 1<sup>st</sup> identifies “first-time” mothers. Prior to the 2010 report, Live Birth Order only counted prior live births currently living.
- **Mother more than 15% Underweight, Mother more than 20% Overweight:** Indicators have been replaced with the BMI-based Underweight and Obese indicators (Table 10).
- **Prenatal Care and Inadequate Prenatal Care (Table 10):** Beginning in 2010 the complete date of first prenatal visit is collected, affecting the beginning trimester of Prenatal Care and the rates of inadequate prenatal care. (See “Date of First Prenatal Visit and Adequacy of Prenatal Care (Table 10)” for details.)
- **Mother on Medicaid and WIC:** Removed from the 2010 report due to the high correlation between the Mother on Medicaid and Mother on WIC indicators.
- **Recorded Births and Deaths by Cities with 2,500 to 24,999 Population:** These listings were removed due to the extreme influence local health care capacity has on where these events occur.
- **Causes of Death, Groupings of Causes of Death, and Rankable Causes of Death (Tables 18-19, Table 21, Table 23, and Table 26):** Changes made by MDHSS (See “Cause of Death Classification and Rankable Causes of Death” below for details.).
- **Cause of Accidental Death (Table 27):** Definition of public transportation accidental death in car or truck changed because of no longer updating motor vehicle accidental deaths with added information from the Highway Patrol beginning in 2010. This resulted in less specific ICD-10 codes and the need to expand the codes for car and truck accidents and reduce the codes for Public Transport: Other/Unspecified. (See “Accidental Death Table (Table 27)” below for details.).



## RATES

Rates are calculated by dividing the number of events of concern by the population at risk or a related population and multiplying by a constant. Live birth, death, natural increase, marriage, and dissolution rates are expressed in terms of 1,000 estimated mid-year population. Cause-specific death rates are expressed in terms of 100,000 population. Infant, perinatal, fetal, neonatal, and post-neonatal death rates are stated per 1,000 live births (Tables 22-25). (See “Population” above for more details.)

Rates per 100 (percentages) are used for most prenatal and birth outcome indicators (Tables 7-10), such as inadequate prenatal care and low birth weight births, where the denominator is based on the number of live births. When the rate being calculated is a percent, events for which the value of interest is unknown are excluded from the calculation. Hence, percentages in this report are the percent of events for which the value is known, not the percentage of all potential events.

## FORMULAE FOR VARIOUS RATE INDICATORS

**Total Fertility Rate** (Graph B) is the average number of live births a woman would have if a given set of age-specific birth rates applied throughout her reproductive years.

**General Fertility Rate** (Table 3) is the total number of live births per 1,000 women aged 15-44 for a given year.

**Age-Specific Fertility Rate** (Table 3) is the number of live births born to mothers of a given age per 1,000 females of that age group for a given year.

**Abortion Ratio** (Table 14) is the comparison of the total number of abortions to the total number of live births for a given year, and then multiplied by 1,000.

$$\text{Abortion Ratio} = \frac{\text{Number of abortions during year}}{\text{Live births for that year}} \times 1,000$$

**Crude Death Rate** is defined as the total number of deaths of area residents for the year divided by the appropriate population (usually midyear population estimate) of the area, then multiplied by some constant. The constants used in this report are 100,000 for cause-specific rates and deaths for all causes (Tables 18 and 26A) and 1,000 for death rates in all other tables and graphs.

$$\text{Crude death rate} = \frac{\text{Number of deaths during year}}{\text{Midyear population for that year}} \times 1,000 \text{ or } 100,000$$

**Age-Specific Death Rate** (Tables 4 and 20) is calculated in the same manner as the crude death rate except that both the number of deaths and the population used are restricted to a given age group.

$$\text{Age-specific death rate for a given age group} = \frac{\text{Number of deaths in that age group during year}}{\text{Population in that age group for that year}} \times 1,000$$

The **Age-Adjusted Death Rate** (Tables 18A, 26A) is a weighted average of age-specific death rates. Comparison of areas or time periods using crude death rates can often be misleading, since these rates are affected by the age composition of the population. For example, a county may have a high crude death rate simply because it has an older population. To control for differences in age

composition, age-specific rates can be weighted (normalized) according to a standard population. Such a calculation produces an age-adjusted rate.

The age-adjusted rates shown in this report are calculated by the direct method, using the following formula:

$$\text{Age-Adjusted Death Rate} = \sum_{A01}^{A11} (Ma \times \frac{Pa}{P})$$

where Ma = the age-specific rate for each given age group  
Pa = the standard population in each given age group  
P = the total standard population, and  
Σ indicates that the results for the eleven age groups are summed.

The eleven age groups used for age-adjustment are as follows: Under 1, 1-4, 5-14, 15-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+.

This adjustment serves to control for differences in age compositions and makes comparisons between areas or time periods more appropriate. **It is important, however, not to compare age-adjusted death rates with rates adjusted to different standard populations or with unadjusted rates.**

This report uses the 2000 US population as the standard. In the 1991 to 1998 annual vital statistics reports, the 1940 US standard population was used. This makes comparisons of age-adjusted death rates with annual vital statistics reports before 1999 inappropriate. The standard population was changed to United States 2000 to be comparable with national age-adjusted death rates published by NCHS. The 1940 distribution was considered out-of-date at that time since it was representative of a younger population. For a more detailed discussion of this topic, see “Age Standardization of Death Rates: Implementation of the Year 2000 Standard.” National Vital Statistics Reports, Vol. 47, No. 3 at: [http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47\\_03.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr47/nvs47_03.pdf)

## GESTATIONAL AGE CHANGE in 2014

Beginning in 2014, Missouri adopted a new standard for estimating gestational age as recommended by NCHS (see [https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64\\_05.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr64/nvsr64_05.pdf) ). The new measure is the obstetric estimate of gestation at delivery, replacing the formerly-used method of calculating the period between the date of last normal menses (DLNM) and the date of birth. The new method is considered more accurate according to various studies documented in the NCHS article. This change primarily affects the rate of births less than 37 weeks gestation presented in Table 10. It tends to increase the gestational age and thus substantially reduce the rate of births less than 37 weeks. The change also has a relatively slight effect on other indicators that use gestational age, including inadequate prenatal care and weight gain during full-term pregnancy. See Appendix Table B for a comparison of these indicators using the two methods of estimating gestation for 2011-2018.

## Appendix Table B

### Resident Rates per 100 Live Births for Four Gestational Age Indicators, Obstetric Estimate vs. Date of Last Normal Menses (DLNM): Missouri 2011-2018

	Less Than 37 weeks		Weight Gain < 15 lbs		Weight Gain 45 + lbs		Inadequate Prenatal Care	
	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM	Obstetric Estimate	DLNM
2011	9.6	11.8	11.1	11.1	20.4	20.4	17.9	17.8
2012	9.9	11.8	11.5	11.4	20.8	20.7	18.5	18.4
2013	9.6	11.5	11.4	11.3	21.3	21.3	18.7	18.6
2014	9.8	11.9	11.6	11.5	21.6	21.6	20.2	20.0
2015	10.0	12.0	12.1	12.1	21.0	21.0	19.4	19.3
2016	10.2	12.1	13.1	13.1	20.8	20.8	19.2	19.0
2017	10.6	12.4	13.4	13.5	20.4	20.4	20.0	19.8
2018	10.7	12.5	14.1	14.0	21.0	21.0	21.0	20.8

## MEDICAL INFORMATION ON BIRTH RECORDS

Table 5B presents selected risk factors, obstetric procedures, characteristics of labor and delivery, methods of delivery, presence of infections, maternal health concerns, abnormal conditions of the newborn, and congenital anomalies. Many of these indicators are collected from the birth certificate by means of a check-off box system. A study conducted by MDHSS supported the belief that check-off boxes increase reporting of these data items. Starting in 2010, revisions to the check-off boxes were implemented, and the following data items are no longer collected on the birth certificate:

- Maternal Risk Factors: anemia, cardiac disease, acute or chronic lung disease, genital herpes, hydramnios/oligohydramnios, hemoglobinopathy, incompetent cervix, previous live born infant weighing 4000+ grams at birth, renal disease, Rh sensitization, uterine bleeding
- Obstetric Procedures: amniocentesis, electronic fetal monitoring, ultrasound, chorionic villus sampling (CVS)
- Characteristics of Labor: abruptio placenta, placenta previa, other excessive bleeding, seizures during labor, dysfunctional labor, cephalopelvic disproportion, cord prolapse, anesthetic complications
- Abnormal Conditions of Newborn: anemia, fetal alcohol syndrome, hyaline membrane disease, meconium aspiration syndrome

## MEDICAID STATUS OF BIRTHS (Table 5A, Table 10)

Another change on the 2003 revision of the US Standard Birth Certificate concerned the mother's participation in Medicaid. Prior to 2010, the birth certificate asked if the mother was on Medicaid at any time during the pregnancy. Even if the mother was not on Medicaid at the time of delivery, but had participated at some time in her pregnancy, the expected response to the question was "Yes."

As of the 2010 report, Medicaid status is captured using a question about the principal payment source for the delivery. Medicaid is indicated only if the mother's delivery will be primarily paid for by Medicaid. As a result, Medicaid births will generally be fewer than in previous years.

## **ENHANCED DATA ON MATERNAL SMOKING (Table 5A, Table 10)**

The 2003 revision of the US Standard Birth Certificate contains more detailed data on mothers' smoking habits during pregnancy than the previous certificate did. Before 2010, mothers were asked about the average number of cigarettes smoked daily during the entire pregnancy. As of 2010, information on maternal smoking is captured for each trimester of pregnancy and for the three-month period prior to becoming pregnant. This allows for targeted analysis and investigation into the impact of smoking on gestational development and birth outcomes. In addition, the previous data item allowed for a mother to answer yes to smoking status but leave the average amount smoked unknown. Starting with 2010 data, if the average amount smoked for any period of smoking is unknown, then the mother's smoking status is unknown. (See "Unknowns" above.) These changes resulted in an increase in maternal smoking during pregnancy.

## **DATE OF FIRST PRENATAL VISIT AND ADEQUACY OF PRENATAL CARE (Table 10)**

Prior to 2010, only the ordinal month of the pregnancy (first month, second month, etc.) was reported to identify the beginning of prenatal care. The 2003 revision of the US Standard Birth Certificate collects the full date of the first prenatal visit. The ordinal month is then calculated based on the mother's date of last normal menses. Beginning with the 2010 report, this calculation provides results that are, on average, almost a month later in the pregnancy than previous results. This in turn results in inadequate prenatal care rates that are 50 percent higher than in prior years. The higher rates are probably more representative of the actual rate of inadequate prenatal care. In other words, the increase is likely an artifact of the less accurate reporting in the past of the month prenatal care began.

## **DEFINITIONS FOR 2010 AND LATER**

**APGAR** – An assessment of the health of an infant taken at one minute and five minutes after birth. For the 2003 revision of the US Standard Birth Certificate, the assessment is repeated at ten minutes if the score at five minutes was less than 6. Apgar scores range from 0 to 10 and are used internationally. Factors used to determine the score are: heart rate, respiratory effort, muscle tone, reflex irritability, and color. A score below 8 implies a moderately or severely depressed condition. The score used for this report is taken at five minutes after birth. The score assigned is completely at the discretion of the attending physician. As such, caution should be used in interpreting patterns of low scores by geographic area because of possible regional subjective bias. In addition, different medical personnel might assign different scores to the same child.

**Attendant** – Classification of the physician or other person in attendance at or immediately after delivery of the infant. MD: Medical Doctor; DO: Doctor of Osteopathy; CNM/CM: Certified Nurse Midwife or Certified Midwife; CPM (added in 2014): Certified Professional Midwife; Other Midwife: includes other non-certified midwives. Attendant is presented in Table 5A.

**Birth Order** – Number of previous pregnancy outcomes plus one. This differs from "live birth order" in that it includes other previous pregnancy outcomes besides live births such as abortions or miscarriages. It is used in Table 24.

**Birth Spacing:** Less than 18 months – Live births occurring to mothers who had a prior live birth within 18 months. The percent is of second and higher order births and the newborn is a singleton or is the first live birth in a multiple birth set. As of the 2010 report, the full date of the last live birth is collected, making it possible to identify prior births more than 17 months but less than 18 full months. This contributed to the percentage increase seen in 2010.

**Breastfed After Delivery (Infant Care: Breastfed After Delivery)** – Live births where the mother breastfed, or attempted to breastfeed, the baby prior to discharge from the birthing facility. This does not imply that breastfeeding was successful or that the mother intends to continue breastfeeding after discharge.

**Complication Report (table 12C)** -- Report completed by physicians performing post-abortion care upon a woman.

**Fetal Death** – Spontaneous death in utero at 20 or more completed weeks of gestation, or has a delivery weight of 350 grams or more.

**FSP** – Participation by mother in the Food Stamp Program during her pregnancy.

**Full-term-Birth** – A live birth with a gestational age of 37 or more weeks.

**Gestational Age** – The age of a fetus or baby in terms of the number of completed weeks spent in its mother's womb. (See GESTATIONAL AGE CHANGE in 2014 earlier in APPENDIX for more Information.)

**High Weight Gain (Risk Factor)** – A full-term singleton live birth to a mother who gained more than 44 pounds during pregnancy.

**Inadequate Prenatal Care** – Fewer than five prenatal care visits for pregnancies less than 37 weeks gestation, fewer than eight visits for pregnancies 37 or more weeks, or prenatal care began after the first four months of pregnancy. Before 1994 records with unknown month prenatal care began or unknown prenatal visits were excluded. Beginning in 1994, if adequacy of prenatal care could be determined, even if month care began or number of visits was unknown, then these records were included. This is referred to as the Missouri Index of Adequacy of Prenatal Care Utilization.

**Infant Death** – Live born infant dying during the first year of life.

**Infant Transfer** – Live born infant transferred to another facility after delivery.

**Live Birth Order** – Number of previous babies born alive to mother, regardless of current vital status, plus one. Live birth order of one indicates first-time mother. Prior to the 2010 report, only prior live births still living were counted.

**Low Birth Weight** – A live birth of less than 2,500 grams (five and one-half pounds).

**Low Weight Gain (Risk Factor)** – A full-term singleton live birth to a mother who gained less than 15 pounds during pregnancy.

**Maternal Death** – Death of a mother, whether while pregnant, during delivery, or up to a year after delivery, as a result of complications of pregnancy, childbirth, or puerperium (ICD-10 codes O00-O99).

**Maternal Weight Gain** – The amount of weight a mother gains (or loses) from prior to pregnancy to time of birth.

**Maternal Weight Status Before Pregnancy** – Pre-pregnancy classification as underweight, normal, overweight, or obese, based on a woman's body mass index (BMI). The BMI formula uses height and weight to calculate this measure of body fatness or thinness.

**Natural Increase** – Number of resident live births minus resident deaths for a given period.

**Neonatal Death** – Death of a live born infant during the first 27 days of life.

**NICU** – Neonatal Intensive Care Unit.

**Non-smoker** – A live birth to a mother who indicated that she did not smoke during the three months prior to pregnancy and did not smoke during the first, second, and third trimesters of pregnancy. In other words, the mother entered '0' for the average amount smoked for each time period. If the mother failed to provide information for any period, her smoking status is unknown.

**Non-Live Birth Outcome** – A pregnancy that did not result in a live birth (resulted in a spontaneous miscarriage, fetal death, or an induced abortion) (Table 5A).

**Out-of-Wedlock birth** – A live birth involving a mother who was unmarried at the time of conception, at the time of birth, and throughout the time between conception and birth.

**Perinatal Death** – An obstetric event that resulted in a fetal death or neonatal death.

**Prenatal Care (1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup> Trimester)** – Trimester that prenatal care began as indicated by the time between the date of last normal menses and date of first prenatal visit. All live births belong in one of five categories: 1<sup>st</sup> Trimester, 2<sup>nd</sup> Trimester, 3<sup>rd</sup> Trimester, None, Unknown.

**Poor Pregnancy Outcome** – A pregnancy of at least 20 weeks gestation that results in a perinatal death, small for gestational age live birth, or an intrauterine-growth-restricted live birth.

**Postneonatal Death** – Death occurring after the 27th day of life but before one year of life.

**Pregnancy** – An obstetric event that resulted in a live birth, fetal death, or induced abortion (Table 11).

**Preterm birth** – A live birth of less than 37 weeks gestation.

**Principal Payment Source** – The primary source of payment of the hospital charges incurred as a result of the delivery.

**Quit Smoking (During Pregnancy)** – A live birth to a mother who indicated: (a) smoking during the first trimester but did not smoke for the second and third trimesters or (b) smoking during the first and second trimesters but did not smoke for the third trimester.

Singleton – A live birth resulting from a pregnancy where one and only one fetus was conceived. One surviving live birth resulting from a multiple gestation pregnancy is not considered a singleton birth.

Small for Gestational Age – A singleton live birth where the birth weight is at or below the 10<sup>th</sup> percentile of births of the same gender and gestational age.

Smoked Pack Per Day – A live birth to a mother who reported smoking an average of 20 or more cigarettes per day over the course of an entire three-trimester pregnancy. (See “Unknowns” above.)

## **CAUSE OF DEATH CLASSIFICATION AND RANKABLE CAUSES OF DEATH (Tables 18, 19, 21, 26)**

Cause of death data are analyzed and presented by the underlying cause. The underlying cause of death is defined as the disease or injury that initiated the chain of morbid events leading directly to death, or the circumstances of the accident or violence that produced the fatal injury.

The causes of death presented here are classified in accordance with the Tenth Revision of the International Classification of Diseases (ICD-10), World Health Organization. This revision is used to classify deaths occurring in the United States on or after January 1, 1999. Comparisons with cause of death statistics from earlier years must be done with caution, since systems for classifying causes of death have changed over the years. Consequently, the mortality trend for a single disease may be distorted as a result of changes in defining and coding the cause of death. For a general measure of the extent of the changes between the ninth and tenth revisions, consult [https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49\\_02.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr49/nvsr49_02.pdf).

In tables presenting “leading” causes of death, selected causes of death are grouped together according to guidelines designated by NCHS into “rankable causes.” Modifications of those guidelines would produce a different picture of leading causes of death. For example, if all deaths from infectious diseases were combined into a single group instead of distributed in their current groupings, the resulting single group would have constituted the sixth leading cause of death in Missouri for 2010. Leading cause of death rankings are based on numbers of deaths, not death rates. Twenty of the current NCHS 51 rankable causes of death (each marked with an asterisk) are included in this report and listed below.

In Tables 21 and 26, which list “Selected” causes of death, the following specific causes of death, listed in prior years, were removed beginning with the 2010 report: tuberculosis, syphilis, stomach cancer, and peptic ulcer. These causes were removed due to the low incidence of deaths from those causes in Missouri. The circulatory disease groupings were simplified in the 2010 report. Also, deaths due to SIDS (ICD-10 code R95) and to pregnancy, childbirth, and the puerperium (ICD-10 codes O00-O99) were removed from tables of rankable causes because they are presented in tables of infant and maternal mortality.

Three new causes of death were added beginning with the 2010 report: enterocolitis due to *Clostridium difficile*, Parkinson’s disease, and pneumonitis due to solids and liquids. Also, two new cause groupings were added: falls and accidental poisonings. Both of these groupings were formerly included among the “other unintentional injuries” grouping. All of these causes/groupings have been added because of their striking increase in numbers since 2000. The twenty rankable and seventeen other selected causes of death and cause of death groupings presented in this report are listed below along with their ICD-10 diagnosis codes.

## Cause of Death Groupings Used in Tables 21 and 26.....ICD-10 Codes

*Enterocolitis due to clostridium difficile .....	A04.7
*Septicemia.....	A40-A41
*HIV/AIDS .....	B20-B24
*Malignant neoplasms.....	C00-C97
Colon, rectum, and anus .....	C18-C21
Pancreas .....	C25
Trachea, bronchus, and lung.....	C33-C34
Breast.....	C50
Cervix uteri, corpus uteri, and ovary.....	C53-C56
Prostate.....	C61
Urinary tract.....	C64-C68
Non-Hodgkin's lymphoma .....	C82-C85
Leukemia.....	C91-C95
Other malignant neoplasms .....	Residual of C00-C97
*Diabetes mellitus .....	E10-E14
*Alzheimer's disease.....	G30
*Parkinson's disease.....	G20-G21
*Diseases of heart.....	I00-I09, I11, I13, I20-I51
*Essential hypertension.....	I10, I12
*Cerebrovascular diseases .....	I60-I69
*Influenza and pneumonia .....	J09-J18
*Chronic lower respiratory diseases.....	J40-J47
*Pneumonitis due to solids and liquids.....	J69
*Chronic liver disease and cirrhosis .....	K70, K73-K74
*Nephritis and nephrosis .....	N00-N07, N17-N19, N25-N27
*Conditions originating in perinatal period.....	P00-P96
*Congenital anomalies .....	Q00-Q99
Symptoms and ill-defined conditions, including SIDS .....	R00-R99
(Note that in 2010-2012 reports, SIDS deaths were included in All other diseases)	
All other diseases.....	Residual of A00-R99
*Unintentional injuries .....	V01-X59, Y85-Y86
Motor vehicle crashes ..V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2	
Falls.....	W00-W19
Accidental poisoning by and exposure to noxious substances.....	X40-X49
Other unintentional injuries.....	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, W20-X39, X50-X59, Y85-Y86
*Suicide.....	X60-X84, Y87.0
*Homicide.....	X85-Y09, Y87.1
All other external causes: events of undetermined intent, legal intervention, complications of medical care, and late effects of injuries .....	
	Y10-Y36, Y40-Y84, Y87.2, Y88-Y89

\*Indicates NCHS rankable causes of death



The other 31 causes of death designated by NCHS as rankable causes but not included in this report are listed below. They are included, however, in the MOPHIMS Death MICA at <https://healthapps.dhss.mo.gov/MoPhims/MOPHIMSHome>

### **Additional Cause of Death Groupings Used for Ranking by NCHS But Not in This Report**

<b>Cause .....</b>	<b>ICD-10 Code</b>
Salmonella infections.....	A01-A02
Shigellosis and amebiasis.....	A03, A06
Tuberculosis.....	A16-A19
Whooping cough .....	A37
Scarlet fever and erysipelas.....	A38, A46
Meningococcal infection.....	A39
Syphilis .....	A50-A53
Acute poliomyelitis .....	A80
Arthropod-borne viral encephalitis .....	A83-A84, A85.2
Measles.....	B05
Viral hepatitis .....	B15-B19
Malaria .....	B50-B54
Benign/in situ neoplasms and neoplasms of uncertain or unknown behavior ..	D00-D48
Anemias.....	D50-D64
Nutritional deficiencies .....	E40-E64
Meningitis.....	G00, G03
Atherosclerosis .....	I70
Aortic aneurysm and dissection .....	I71
Acute bronchitis and bronchiolitis.....	J20-J21
Pneumoconiosis and chemical effects .....	J60-J66, J68
Peptic ulcer .....	K25-K28
Diseases of appendix.....	K35-K38
Hernia .....	K40-K46
Cholelithiasis and other disorders of gallbladder.....	K80-K82
Infections of kidney .....	N10-N12, N13.6, N15.1
Hyperplasia of prostate .....	N40
Inflammatory diseases of female pelvic organs .....	N70-N76
Pregnancy, childbirth, and the puerperium.....	O00-O99
Legal intervention.....	Y35, Y89.0
Operations of war and their sequelae .....	Y36, Y89.1
Complications of medical and surgical care .....	Y40-Y84, Y88

### **ACCIDENTAL DEATH TABLE (Table 27)**

Beginning with 2004 data, the accidental death table was updated to reflect revised ICD-10 cause of death groupings. These groupings are adapted from criteria for the “Injury Mortality Summary” provided by the Research and Statistics Department of the National Safety Council (NSC). Many of the categories were new in 2004, and even when the category name did not change, the numbers were not precisely comparable to prior years’ data because of changed definitions. Poisonings at home, in particular, were grossly underreported under the old system. The new system gives a more complete count of poisoning deaths and presents poisoning deaths due to all drugs, both prescribed and illicit.

Note that accidental deaths (Table 27) are presented in terms of deaths that occurred in Missouri,

whether the injury occurred in Missouri or not. Tables with accidental death counts are not comparable to most of the other mortality tables because those tables display Missouri resident deaths. See “‘Resident’ and ‘Recorded’ Events” above.

Accidental death data are also categorized by the physical location where the accident occurred. A work accident is any unintentional injury death for which the “Injury at work?” checkbox on the death certificate is marked “Yes.” A home accident is any unintentional injury death occurring at any non-institutional residence including its garage and grounds. Deaths due to unintentional injury where the injury occurred anywhere else are classified as public. Beginning with the 2010 report, ICD-10 codes V87.0-V87.8, V88.0-V88.8, V89.0 and V89.2 were included in the definition for accidental Public transport: car or truck deaths. If a death falls into more than one category such as late effects of a motor vehicle crash while the decedent was at work, the order of precedence is: late effects, work, home/public.

**Accidental Death Categories in Table 27..... ICD-10 Codes**

Grand total .....	V01-X59, Y85-Y86
Work total .....	“Injury at work?” checkbox = “Yes”
Heavy transport vehicle .....	V60-V69
Other motor vehicle .....	V02-V04, V09.0, V09.2, V12-V14, V190-V19.2, V19.4-V19.6, V20-V59, V70-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Other transport .....	Residual of V01-V99
Falls .....	W00-W19
Farm machinery .....	W30
Other machinery .....	W31
Struck by/against object .....	W20-W29, W35-W49
Electric current .....	W85-W87
Other/unspecified accident .....	W32-W34, W50-W84, W88-W99, X00-X59
Home total .....	W00-X59 with place of injury code of 0
Public non-transport total .....	W00-X59 with place of injury code not 0
Falls .....	W00-W19
Machinery .....	W30-W31
Firearms .....	W32-W34
Struck by/against object .....	W20-W29, W35-W49
Drowning .....	W65-W74
Choke/suffocate .....	W75-W77, W78-W80, W81-W84
Excess natural heat/cold .....	X30-X31
Fire/flame/smoke .....	X00-X09
Poisoning (drug/alcohol) .....	X40-X45
Poisoning (gas/other) .....	X46-X49
Other/unspecified accident .....	Residual of W00-X59

Public transport total.....	V01-V99
Car or truck.....	V40-V69, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
Pedestrian/motor vehicle .....	V02-V04,V09.0,V09.2
Pedal cyclist.....	V12-V14, V19.0-V19.2,V19.4-V19.6
Motorcyclist.....	V20-V29
Railroad (not w/motor vehicle) .....	V05, V15, V80.6, V81.2-V81.9
Nonroad vehicle, including ATVs.....	V83-V86
Water transport.....	V90-V94
Air transport.....	V95-V97
Other/unspecified .....	Residual of V01-V99
Late effects of accidents.....	Y85-Y86

## **TOBACCO USAGE AND MORTALITY DATA (Table 28)**

Beginning in 2010, the death certificate includes a question that asks, “Did tobacco use contribute to the death?” This allows the medical certifier to make a determination as to the role of tobacco use in causing the death. This item should not be interpreted as or substituted for the decedent’s smoking status at death.

Note that this is different from the “Smoking-Attributable” death estimates, which are calculated by applying likelihood percentages to all deaths with specified ICD-10 underlying cause codes based on the extent to which smoking increases the risk of dying from those particular diseases. Missouri smoking-attributable death estimates are published in the ‘Leading Causes of Death’ Community Data Profile available online at: <https://healthapps.dhss.mo.gov/MoPhims/ProfileBuilder?pc=10>.

## **NEW DEATH TABLE IN 2013 (Table 29)**

In 2013, a new death table was added entitled Resident Deaths by Selected Characteristics by Sex. It includes death variables that are not reported in other tables such as certifier, death place, month of death, disposition of body, marital status, education of deceased, and whether an autopsy was performed.

## **ABRIDGED LIFE TABLES (Table 30)**

The abridged life tables used beginning in 2010, were developed by MDHSS. They represent a slight change to the calculations used before 2010, which had been developed from an NCHS program using the technique of "reference to a standard table." These life tables are technically defined as "current life tables" since they are cross-sectional in nature. In other words, the 2018 tables do not represent the life expectancy of an actual cohort of all Missourians born in a particular year and followed throughout their lifetime. Rather, the current life table considers a hypothetical cohort and assumes it is subject to the age-specific mortality rates existing for a given year. This means the population figures listed in these tables are not actual population counts for Missouri. Instead, they are only theoretical. The figures are only useable for calculating age-specific life expectancy.

For further information about life expectancy tables and their methodology, go to [http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60\\_09.pdf](http://www.cdc.gov/nchs/data/nvsr/nvsr60/nvsr60_09.pdf).

## **REVISED MARRIAGE TABLES 31-35 in 2016 (WITH SAME-SEX MARRIAGES)**

In June 2015, the United States Supreme Court ruled that same-sex couples had a right to marry, and Missouri began recording these marriages after this ruling. However, since the data was incomplete, we did not report this data in detail in 2015 (although the 726 reported same-sex marriages were included in the state totals). In 2016, data on same-sex marriages was reported in detail for the first time in Tables 31 and 33-35. Table 31 shows the number of marriages by month for male-female, female-female, and male-male marriages. In 2018 there are 347 marriages with unknown gender that are included in the state totals. Table 32 includes only male-female marriages because the same-sex numbers are too small to break out by specific age cross-tabulations. Tables 33-35 display marriages by gender by selected other variables.

## **NEW TABLES ON POST-ABORTION COMPLICATIONS (TABLE 12C)**

In 2018, a new table has been added entitled Post-Abortion Complication Report Results. Since 1980, Missouri statutes have allowed health care providers (hospitals, clinics, and physicians) to complete and submit "Complication Report for post-Abortion Care" forms after treating patients for complications following induced abortions. However, reporting from this form has been very sporadic through the years. In 2017, MDHSS revised the form and the regulations related to post-abortion complications in a major effort to improve our understanding of these procedures. Table 12C shows the results of this data for the 2018 calendar year. Data collected includes the type of complication, whether the original abortion procedure was surgical or medical, and whether the patient was hospitalized. In 2018, MDHSS received 131 complication reports representing 166 complications. The post-abortion care for all of the reported complications took place in Missouri, but many of the original abortions were performed in other states. The completeness of reporting is still uncertain, and other states do not exchange this type of data with MHDSS.

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